

# GLOBAL TIMES MAGAZINE



*Nineteenth Edition*

**THE SOAP THAT COULD  
CHANGE THE WORLD**

**A Young Scientist's Dream**

**THE UNINTENDED  
CONSEQUENCES OF  
UNIVERSAL BASIC INCOME**

**A Cautionary Tale From The USA**

**LEADERS GUIDING  
TEAMS TO SOAR  
BEYOND LIMITS**

**Leadership For Success**

*Naveen Jain*

## **CHARTING THE FUTURE**

**An Interview About The Exploring Innovation  
And The Power Of Unconventional Thinking**





*Nineteenth Edition*

Global Times Magazine

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# GLOBAL TIMES MAGAZINE



*Nineteenth Edition*

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Message Of The President:

## A NEW CHAPTER IN EXCELLENCE: EMBRACING PROGRESS WITH PRIDE

Dejan Štancer, President of the Global Chamber of Business Leaders

Dear Readers,

I must begin by apologizing, as we were forced to cancel the interview with Steve Wozniak that we had previously announced. Despite our best efforts to accommodate ever-changing circumstances, we ultimately could not make it work. With a firm deadline for publication, we chose to step back when faced with behavior that veered into "star-like" territory.

Sometimes, life presents us with such challenges, and as Steve Jobs might have said, "Your time is limited, so don't waste it living someone else's life."

As September ushers in the final quarter of 2024, we find ourselves reflecting on the year gone by. For us, the team behind this unique magazine, this is a time of joy and celebration as we reach a new milestone. This edition of Global Times Magazine will be published in its entirety on the PressReader platform, a prestigious home to the world's finest newspapers and magazines. This shift will bring you a fresh and enhanced reading experience, one that we believe you truly deserve. We deeply appreciate the trust you have placed in us.

Given that the world is already filled with negativity and bad news, with more and more people feeling anxious and fearful about a future that seems uncertain, we at Global Times Magazine have decided to be a source of inspiration. We bring you news that never casts anyone in a negative light or discredits them—because that's simply not who we are. We aim to encourage people toward success and great achievements, and to celebrate those moments of joy alongside you.

Let me end this speech with the information that Elon Musk could become a Trillionaire in just three years. Being a Trillionaire means someone has a million million, which means they have 1,000,000 million. This is equal to 1 trillion (1,000,000,000,000) in the short number system used in the United States and most English-speaking countries. And if you didn't already know, there are already quite a few people in the world who have reached this number. It would be interesting to know exactly how many people there are in the world who have neither food nor drinking water.

One day, when us humans look back on the past, we will be damned ashamed.

Sincerely,



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Editor's Note:

## IN TIME, ALL WILL BE REVEALED

Nicole J. Farrell, Chief-Editor of the Global Times Magazine

This year seems to have taken off like a determined NASCAR driver who is intent on winning the Championship. Much has occurred globally within the categories of the good, the bad and the ugly.

While time has gained Roadrunner status, one constant is the timely change of Seasons. As many countries around the world say goodbye to high temperatures of Summer, they prepare for the chilly, neutral toned atmosphere of the Fall Season. Regions in the United States of America and several countries are biding time as they await the end of the Hurricane Season, seeing how unpredictable and frightening circumstances can get.

Speaking of time and the U.S, the world is on pins and needles as the weeks lead up to the presidential election. The world's citizenry are in a nail-biting time bubble to see who will gain the title of POTUS. As they say, time will tell... It is felt that what happens in America can affect or influence the rest of the world, so it's not an 'event' that is being taken lightly.

Time is of no consequence for Indo-American mogul, Naveen Jain, as he went against the grain and pivoted his entrepreneurial career at the age of 57 when he could have easily resigned himself to a retirement plan of weekly bouts of golf, frequent dinner with friends and associates and maybe even sailing for extensive periods along the French Riviera on a private yacht. You do not want to miss the fascinating interview with this serial entrepreneur and philanthropist who has contributed significantly to the health and wellness industries.

Our second interview focuses on Juan Carlos Rengifo, who has built quite a reputation for himself, particularly in the area of finance. While some might purport the world of finance to be monotonous, Rengifo has brought his passion and tireless efforts to Governments and entities around Europe and Latin America. Find out more about him and his career.

As is customary, the Editorial Team has put together a diverse variety of content encompassing business, science, tech and so much more.

I invite you to read our Nineteenth Edition/September Issue and share with your contacts and connections.

Later this year, the Global Times Magazine (GTM) will celebrate its second anniversary. How time has flown! We continue to thrive and make improvements as deemed necessary as we seek to maintain our unique perspective on creative direction.

Sincerely,

*Nicole J. Farrell*



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TECHNOLOGY *gtm*  
Latest News

## A BREAKTHROUGH IN COMMUNICATION: TINY BRAIN-MACHINE INTERFACE TRANSFORMS THOUGHTS INTO WORDS

**R**esearchers at EPFL have developed MiBMI, a revolutionary brain-machine interface (BMI) designed to enable individuals with severe motor impairments to communicate by converting thoughts into text. This tiny silicon chip decodes complex brain signals associated with imagined hand movements and transforms them into digital text with remarkable accuracy.

Unlike traditional BMIs, which are often bulky and inefficient, MiBMI is compact, energy-efficient, and highly versatile. It can decode 31 different characters, allowing users to express themselves through thought alone. In tests using data from previous live recordings, such as those from Stanford's Shenoy lab, MiBMI successfully converted handwriting-related brain activity into text with 91% accuracy.

The chip, measuring just 8mm, is designed for easy implantation and operates with low power, making it a promising tool for enhancing communication in people with conditions like locked-in syndrome. As this technology advances, MiBMI could provide a powerful new way for individuals with severe impairments to communicate effectively.

A Cautionary Tale From The United States:

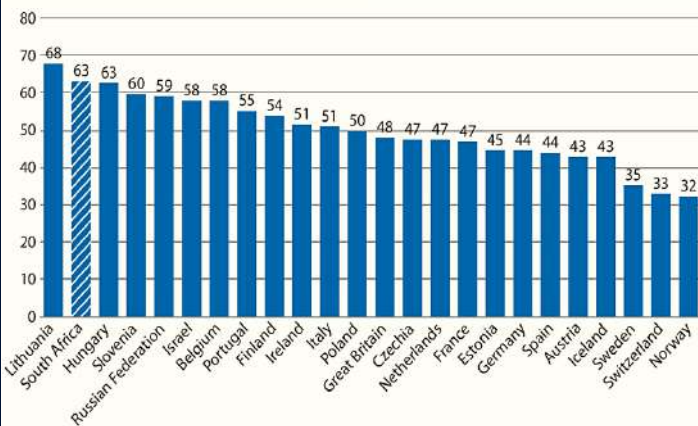
# THE UNINTENDED CONSEQUENCES OF UNIVERSAL BASIC INCOME

**SOLUTIONS**  
— For Future

Global Times Magazine Editorial Team

Support for a Universal Basic Income (UBI) scheme in Europe and South Africa (% in favour)  
Sources: European Social Survey Round 8 (Norwegian Centre for Research Data, 2016); (HSRC)

## A Century-Old Dream Meets Modern Reality



For decades, scholars and policymakers have been exploring the feasibility of UBI, trying to determine its potential impacts on society. While the theoretical benefits are widely discussed—greater economic security, reduced poverty, and increased freedom to pursue personal passions—the practical implications are much harder to pin down.

One of the challenges in studying UBI is that it's nearly impossible to isolate its effects from other economic and social factors.

However, a recent study by a group of economists and political scientists, including Eva Vivalt, Elizabeth Rhodes, Alexander W. Bartik, Sarah Miller, and David E. Brockman, sheds new light on this complex issue.

The study, conducted in 19 counties across Illinois and Texas, involved providing \$1,000 per month to a sample of low-income individuals over three years, from November 2020 to October 2023. The findings were surprising—and concerning.

Instead of the positive outcomes many UBI advocates had hoped for, the study revealed a host of negative consequences, raising serious questions about the viability of UBI as a social policy.

## Work Less, Earn Less:

### The Unexpected Downside of "Free Money"

One of the most striking findings of the study was a significant decline in employment among those receiving UBI. On average, participants worked fewer hours and earned less income compared to a control group that received only \$50 per month. Specifically, those receiving the \$1,000 monthly stipend saw their annual labor income drop by \$1,100, and their total household income fell by \$2,500 compared to the control group.

This decline in work and income was not evenly distributed. Individuals without children experienced a greater reduction in both income and working hours, while those with higher levels of education fared slightly better but still saw a decrease in income from self-employment and temporary work. The theory that UBI would allow people to find better jobs by providing financial security and more time to search for opportunities did not hold up in practice. Instead, the extra money often led to longer periods of unemployment and reduced overall economic activity.

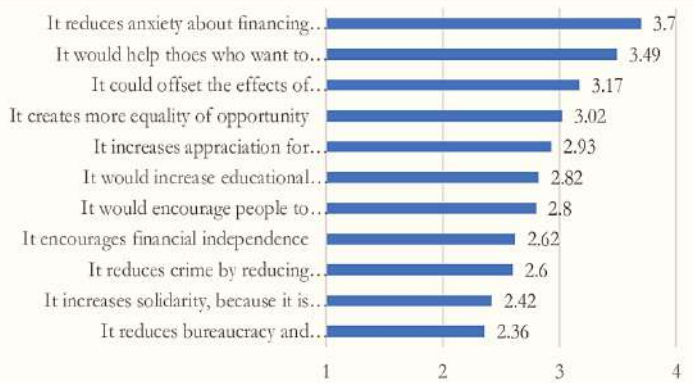
## Leisure Time:

### A Double-Edged Sword

UBI proponents have long argued that reducing the need to work could lead to more productive use of free time, such as pursuing education, caring for children, or engaging in community activities. Unfortunately, the study found little evidence to support these claims. Instead of spending their newfound free time on meaningful activities, many participants reported spending more time in leisure, idleness, and non-essential transportation. There was no significant increase in time spent on childcare, self-improvement, or community involvement. In fact, some participants even reported sleeping less—a counterintuitive result given the decrease in work hours.

## The Savings Myth:

### Where Did The Money Go?



Another anticipated benefit of UBI was the potential for increased savings and investments, which could help recipients build a more secure financial future. However, the study found that most participants spent the additional income in the same month it was received, with little to no increase in savings. In some cases, there was even a slight increase in indebtedness, as participants took on more debt, perhaps in the expectation of continued financial support. The idea that UBI would encourage entrepreneurship also fell flat; while interest in starting a business did increase, actual business formation did not.

## The Broader Implications:

### A Challenge To UBI Advocates

The disappointing outcomes of this study are likely to fuel ongoing debates about UBI. While the idea remains popular among certain ideological groups—ranging from progressives to libertarians—the practical challenges are becoming harder to ignore. One of the most significant issues is the question of financing. Social programs like public healthcare, pensions, and welfare already consume a large

portion of national budgets. In the United States, for example, healthcare and pensions alone account for 47% of the federal budget, with education and direct social assistance pushing that share to 60%. Introducing UBI on a national scale would require massive additional funding, raising concerns about the sustainability of such a program.

Moreover, the study's findings suggest that UBI might not even achieve its primary goal of reducing poverty. If UBI leads to reduced work and income, especially among the most vulnerable populations,

it could paradoxically worsen the very conditions it aims to alleviate. This is particularly troubling when considering that the poor and less educated are often the primary targets of UBI proposals. If these groups are unable to manage unconditional cash benefits effectively, as the study suggests, UBI could end up doing more harm than good.

## The Future of UBI:

### A Need For Further Research



Despite the troubling results of this study, the debate over UBI is far from over. Advocates will likely continue to push for its implementation, arguing that the potential benefits outweigh the risks. However, this study highlights the need for more comprehensive research into the long-term effects of UBI, particularly in diverse socio-economic contexts. Policymakers must carefully consider these findings and weigh them against the theoretical benefits before making any decisions about UBI.

Universal basic income (UBI) is a social welfare proposal in which all citizens of a given population regularly receive a minimum income in the form of an unconditional transfer payment, i.e., without a means test or need to work.

In conclusion, while the idea of UBI remains appealing in theory, the real-world evidence suggests that it may be more problematic than its advocates would like to admit. The results of this recent study serve as a stark reminder that good intentions do not always lead to good outcomes. As the discussion around UBI continues, it is crucial to remain grounded in empirical evidence and to approach the issue with a critical eye.

### A Call For Caution

The dream of universal basic income is an old one, but turning it into a reality is proving to be much more complicated than its proponents might have hoped. The recent study from the United States provides a sobering look at the potential pitfalls of UBI, suggesting that it may not be the panacea many have imagined.

While the idea of providing every citizen with a guaranteed income is undoubtedly attractive, the real-world consequences must be carefully considered. As the debate continues, it is essential to remember that the ultimate goal is to improve people's lives, not just to implement an appealing policy. Achieving that goal will require careful thought, rigorous research, and a willingness to confront uncomfortable truths.





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EXCLUSIVE COVER STORY

*Naveen Jain*  
**CHARTING  
THE FUTURE**

An Interview About The Exploring Innovation  
And The Power Of Unconventional Thinking

EXCLUSIVE COVER STORY



EXCLUSIVE COVER STORY

# Naveen Jain CHARTING THE FUTURE

An Interview About  
The Exploring Innovation  
And The Power Of  
Unconventional Thinking  
With *Naveen Jain*

**I** magine leaving the familiarity of your native country to migrate and pursue 'The American Dream' and you eventually become one of the most successful men in the world. That is the beginning of Naveen Jain's success story.

Having migrated from India to the United States of America, how did that cultural shift positively shape his outlook, motivation and mindset?

Said Jain, "Migrating from India to the United States in January of 1983, I found myself in a small town where the presence of a brown-skinned person was an anomaly. The initial sense of alienation was palpable; I felt profoundly out of place amidst a community that had never interacted with someone of my ethnicity. These early days were fraught with challenges, yet they played a crucial role in reinforcing a vital belief from my childhood in India - a belief instilled during days filled with love but marked by scarcity of food and comfort. It is the belief that imagination is a potent tool, empowering one to transcend adversity.

This belief was my compass during those trying times and continued to guide me as I later moved to Silicon Valley. There, I discovered a vibrant community of thinkers and innovators where I truly felt a sense of belonging. Silicon Valley's ethos of dreaming big, solving significant problems and pioneering new solutions resonated deeply with me. This environment not only nurtured my entrepreneurial spirit but also profoundly shaped my outlook, motivation and mindset.



# TEDx



## NAVEEN JAIN

### ABOUT

Naveen Jain is an Indo-American entrepreneur and philanthropist known for his ambitious ventures in technology, healthcare, and space exploration. He was born on 6<sup>th</sup> September 1959, in Uttar Pradesh, India, and later moved to the United States, where he became a prominent figure in the tech industry.

*Naveen Jain*  
**CHARTING  
THE FUTURE**



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The cultural shift from India to the United States, therefore, transformed my perspective. It taught me the value of resilience and the power of an environment that cultivates innovation and big-picture thinking. These experiences have been instrumental in shaping my approach to business and life, reinforcing my belief in the transformative power of ambitious ideas and diverse collaboration. This, I believe, is one of the greatest strengths of this country - the relentless pursuit of innovation and the unyielding spirit of problem-solving."

While he can easily be regarded as one of the most successful and respected entrepreneurs, his warm nature nature endears him to many who have dealt with him directly in his role as a Speaker, philanthropist or serial entrepreneur. His aura invites connection and the connection is memorable.

In spite of the many labels he carries and accolades he's received, who is Naveen Jain at his core though?

"At my core, I am a visionary and relentless innovator, driven to tackle

***"A belief  
instilled during  
days filled with  
love but  
marked by  
scarcity of food  
and comfort".***

**Infospace:**

Naveen Jain co-founded InfoSpace in 1996, a company that provided internet-related services including search engines, online directories, and e-commerce solutions. InfoSpace became one of the largest internet companies during the dot-com boom and went public in 1998. However, the company faced challenges after the bubble burst, leading to a significant decline in its stock price and controversy over Jain's management practices. Despite these challenges, InfoSpace was one of the early successes of the internet era.

*Naveen Jain*  
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some of humanity's most pressing challenges. I approach each of my ventures with a blend of deep scientific curiosity and strategic business acumen, always aiming to push the boundaries of what's possible. My work, especially with Viome, reflects my commitment to transforming personal health into a proactive and personalized science, utilizing big data and AI to make targeted health interventions accessible to all. I firmly believe that true success is measured by the positive impact we have on the lives of others, a belief that drives my business operations and philanthropic efforts. Above all, I see myself as a pioneer, continually seeking to explore new frontiers in technology and science to innovate, improve and inspire."

Naveen Jain, among other roles, is the Founder of Viome. He shared his vision that started and continues to spur Viome. "The foundational vision behind Viome is driven by a profound belief that chronic diseases should not dictate our destiny. I established Viome with a mission centered on empowering individuals to proactively manage their health by addressing the underlying causes of diseases, rather than merely treating symptoms. Our overarching goal is to unravel the complexities of human biology at a molecular level, harnessing this insight to prevent, reverse and effectively manage chronic conditions.

By integrating advanced artificial intelligence with the latest scientific research, Viome is dedicated to making illness optional. We aim to transform health management by enabling individuals to lead healthier, more vibrant lives, extending longevity and enhancing quality of life through precision nutrition and personalized health insights.





**Intelius**

After leaving InfoSpace, Jain founded Intelius in 2003, a company that provides background checks, public records, and identity protection services. Intelius was successful and eventually went public, further establishing Jain's reputation as a serial entrepreneur.

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I wish more people would embrace contemporary scientific insights to make informed decisions, rather than clinging to outdated health misconceptions."

Viome was not his first foray into business. His entrepreneurial background is as long as it is impressive. He delved into his past, saying, "My journey as an entrepreneur is fueled by an intense curiosity and a fearless pursuit of audacious ideas that aim to advance humanity and enhance the quality of life. I am the author of the award-winning book, 'Moonshots: Creating A World of Abundance', where I outline the potential for groundbreaking ventures to create a prosperous future.

***"I firmly believe that true success is measured by the positive impact we have on the lives of others".***

Among my notable ventures, Viome stands out with its revolutionary mission to 'make illness optional'. At Viome, we leverage an AI-driven platform that meticulously analyzes the interactions between food, our microbiome and human cells. This innovative approach allows us to develop precision nutrition plans tailored to individual needs, targeting the prevention and reversal of chronic diseases.



#### Moon Express:

Naveen Jain's most ambitious venture is Moon Express, which he co-founded in 2010. The company aims to make space exploration and lunar mining commercially viable, with the goal of extracting resources from the Moon. Moon Express is one of the first private companies to receive permission from the U.S. government to travel beyond Earth's orbit, marking a significant milestone in private space exploration.

Another pioneering endeavor was Moon Express, which was the only company globally authorized to harvest lunar resources during its operational phase. Our work at Moon Express laid the crucial groundwork necessary for envisioning humanity as a truly multi-planetary species, marking a bold leap forward in space exploration

Beyond these ventures, I serve as the Vice-Chairman of the Board at Singularity University, where we are dedicated to empowering leaders to use innovative technologies to tackle some of the most pressing challenges facing humanity. I am also actively involved with the XPRIZE Foundation, which drives radical breakthroughs for the benefit of humanity through incentivized prize competitions. My entrepreneurial efforts have been recognized with numerous accolades, including 'Entrepreneur of the Year' by Ernst & Young; 'Most Creative Person' by Fast Company; and a 'Lifetime Achievement Award' by Red Herring. I have also been honored with the 'Medal of Honor' by Ellis Island and named one of the 'Top 50 Philanthropists' by Town & Country Magazine. These awards are a testament to my commitment to pushing the boundaries of what is possible, always with an eye toward creating a more abundant and sustainable world."

When he reminisces about his entrepreneurial journey, what are significant lessons that he recalls?

"Think 100x Bigger: Always aim to address grand challenges. Larger problems not only draw the brightest minds eager to contribute but

## Naveen Jain CHARTING THE FUTURE





**Viome:**

In 2016, Jain founded Viome, a health technology company focused on microbiome testing and personalized nutrition. Viome uses advanced AI to analyze gut microbiome data and provide insights into individual health, with the goal of preventing chronic diseases and improving overall well-being. This venture reflects Jain's interest in tackling global health issues using cutting-edge technology.

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also fuel personal motivation and position you as a pioneer. When you tackle significant issues, you're not just creating a business, you're establishing a legacy.

**Prioritize Impact On Lives:** To truly succeed in business and in life, make enhancing lives your cornerstone. I often assert, if your aspiration is to build a billion-dollar enterprise, start by aiming to improve a billion lives. This philosophy isn't just about scale, it's about genuine value. It's a powerful strategy that aligns financial success with profound social contribution, creating a symbiotic relationship between profit and purpose.

***“My journey as an entrepreneur is fueled by an intense curiosity and a fearless pursuit of audacious ideas”.***

**Cultivate Intellectual Curiosity:** An insatiable curiosity and a commitment to learning are indispensable traits of any successful entrepreneur. By broadening your knowledge across diverse fields daily, you sharpen your competitive edge, uncover opportunities missed by others and synthesize new connections. This continuous quest for knowledge not only fosters innovation but also keeps you agile and adaptable in an ever-evolving landscape.”





#### Philanthropy And Vision:

Naveen Jain is also known for his philanthropic efforts, particularly in the areas of education and healthcare. He is a strong advocate for solving global challenges through innovation and entrepreneurship. Jain often speaks about the potential of exponential technologies, such as AI and space exploration, to address some of the world's most pressing issues.

## Naveen Jain CHARTING THE FUTURE



Having pivoted his career at the age of 57 to start Viome, which was definitely a vastly different field to what he'd have grown accustomed to, the ideology that "It's never too late." comes to mind. What advice would he give to entrepreneurs who might be at a crossroad or turning point in their own entrepreneurial path beyond the age of 40?

Jain surmised, "This pivot was driven by the conviction that it is indeed never too late to embark on a new journey or reinvent oneself. This belief is crucial for entrepreneurs of any age facing crossroads or pivotal moments in their careers. The conventional vision of retirement as a period for relaxation and leisure often leads to a void, marked by a sense of purposelessness. This lack of purpose can trigger a cascade of decline where vital habits and routines begin to atrophy. However, advancing age brings with it a treasure trove of wisdom and self-awareness, furnishing us with unique insights into life and our capacities. This makes the later stages of life an ideal time for pursuing meaningful goals that not only promise personal fulfillment but also possess the potential to make significant impacts on society.

To entrepreneurs standing at such crossroads, my advice is twofold:

**Reframe Your Perspective On Age:** View age as an asset, not a liability. The wisdom, experience, and resilience you've gained over the years are invaluable assets. These qualities provide a stable foundation for tackling complex challenges with a mature and measured approach.

**Focus On Purpose Over Retirement:** Instead of winding down, consider



#### Personal Philosophy:

Jain is a proponent of "moonshot thinking," which involves setting extraordinarily ambitious goals that may seem impossible but have the potential to drive significant change. He believes that entrepreneurs should aim to solve big problems that impact billions of people, rather than focusing on incremental improvements.

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**CHARTING  
THE FUTURE**



winding up. Think about what legacy you want to leave behind and how you can contribute to the betterment of the world. Whether it's starting a new business, pivoting to a new industry or solving societal issues, the focus should be on activities that not only keep you intellectually engaged but also contribute to your sense of worth and fulfillment.

Embrace this phase as an opportunity to make your mark, to innovate and to mentor the next generation. Remember, the pursuit of a mission keeps us vibrant, engaged and connected to a larger purpose. This is not just about leaving a legacy, it's about living it fully, right now. Consider how your actions today can shape a better tomorrow for your community, your children and grandchildren. In doing so, you can transform the later chapters of your life into some of the most impactful and rewarding."

***"An insatiable curiosity and a commitment to learning are indispensable traits of any successful entrepreneur".***

Of course, being responsible for self is part of one's personal legacy. Viome invented a 'DIY health check' of sorts with the Viome At-Home Gut Microbiome Test aka the Gut Intelligence Kit, which is available on Amazon. What precipitated this move as a debut product offer?



**Recognition:**

Jain has received numerous awards and recognition for his work, including the Ernst & Young Entrepreneur of the Year award. He is a frequent speaker at conferences and events related to technology, entrepreneurship, and innovation.

Naveen Jain's journey from India to becoming a successful entrepreneur in the United States is a testament to his vision, determination, and belief in the power of technology to transform the world.

*Naveen Jain*  
**CHARTING  
THE FUTURE**

"We aimed to make sophisticated health insights accessible to everyone, directly from the comfort of their homes. The significance of the gut microbiome in overall health cannot be overstated. It influences everything from digestion and immunity to mental health and susceptibility to chronic diseases. By understanding the unique activities of one's gut microbiome, individuals can unlock critical insights into their health and well-being. Viome's unique ability technology to analyze function (not just composition) of microbes meant that we could actually help people monitor their gut health as it evolved and always provide the most precise recommendations based on their current results, fine-tuning their gut microbiome.

Offering this test on Amazon significantly enhances its accessibility, tapping into the growing consumer demand for convenient, at-home health solutions. This availability aligns perfectly with a societal shift towards more personalized healthcare approaches, where individuals are increasingly keen on making informed health decisions based on reliable, data-driven insights."

He explained what gut health is and why it is imperative for the masses to be proactive. "Gut health is increasingly recognized as the cornerstone of overall well-being, influencing virtually every aspect of our physiological and mental health. The term 'gut health' pertains to the balance and functionality of the microbiome - the vast community of trillions of microorganisms, including bacteria, viruses and fungi residing in our digestive tract. This microbiome is integral to many critical bodily functions, from nutrient absorption and immune system



**Background:**

Jain grew up in a small village in Uttar Pradesh, India, in a family with limited means. His early experiences with poverty shaped his drive to succeed and make a global impact. Despite the challenges, Jain excelled academically and eventually earned a degree in engineering from the Indian Institute of Technology (IIT) Roorkee, one of India's premier engineering institutions.

**Move to the U.S.:**

After completing his education in India, Jain moved to the United States in the 1980s, where he started his career in the tech industry. He worked at companies like Microsoft before founding his own ventures.



*Naveen Jain*  
**CHARTING  
THE FUTURE**



regulation to mood and mental health regulation. A healthy gut microbiome not only aids in efficient digestion but also plays a pivotal role in defending against pathogens, synthesizing essential nutrients and modulating inflammation. Conversely, an imbalanced gut microbiome can trigger chronic inflammation, now recognized as a root cause of numerous serious diseases such as diabetes, obesity, autoimmune disorders and certain types of Cancer.”

Jain has also been instrumental in creating Viome Life Sciences and its Health Sciences Division. Why did he feel the need to align this arm of service with his overall vision for the company?

Explained Jain, “Viome Life Sciences, with its Diagnostics Division, is fundamentally reshaping our approach to early disease detection and personalized wellness. Our operations leverage the extensive data gathered from our users, combined with sophisticated AI analytics, to continually enhance and refine our diagnostic tools. This dynamic process allows us to develop innovative, life-saving tests such as our Oral Health Pro and CancerDetect test.”

“It’s  
about  
living it  
fully,  
right now”.



#### Jain Bold Vision:

Jain is known for his belief that entrepreneurs should aim to solve problems that affect billions of people. He encourages thinking on a global scale and pursuing projects that have the potential to transform industries and societies.

#### Failure As A Stepping Stone:

Throughout his career, Jain has faced several setbacks, especially with the controversies surrounding InfoSpace. However, he views failure as a critical part of the entrepreneurial journey, often stating that each failure brings valuable lessons that can lead to future success.

## Naveen Jain CHARTING THE FUTURE



One who has been interviewed by mainstream social media content creators, Jay Shetty, Evan Carmichael and Lewis Howes, he has continually 'preached the gospel' about his contemporary insights and work. However, if he could preach just one message daily, personal or professional, what would it be?

He pensively offered his thoughts. "If I could impart just one message daily, it would be this: Live passionately and purposefully. If you don't wake up each morning filled with excitement and a sense of urgency about the day ahead, it may be a sign that you haven't yet found your true calling. Discovering and pursuing your true purpose - the 'north star' that guides all your efforts - is not just a pathway to personal fulfillment; it's essential to your overall well-being. Embracing a life driven by purpose has profound implications. Beyond physical health, having a purpose fosters stronger social connections, which are vital for mental and emotional well-being."

Naveen Jain has helped to revolutionize physical healthcare but what does he do to maintain his overall health, especially as his days are so compact.

Each day begins at 5 a.m., where I engage in a ritual that nourishes my mind, body, and soul. This routine includes reading to stimulate my brain with new information. Physical activity follows with either a walk or strength training, depending on the day. I also dedicate time each morning to quiet contemplation and meditation. Beyond these morning rituals, I ensure that my overall lifestyle supports my health in five

**Author:**

Naveen Jain is also an author. His book, "Moonshots: Creating a World of Abundance," encapsulates his philosophy of aiming for audacious goals and leveraging technology to create abundance for humanity. The book provides insights into his approach to entrepreneurship and innovation, encouraging readers to think big and tackle significant global challenges.

**Public Speaking:**

Jain is a sought-after speaker at global conferences and events. He shares his insights on entrepreneurship, innovation, space exploration, and health technology. His talks are often centered around the idea of "moonshot thinking" and the potential for technology to create a better future for everyone.

critical areas (such as) nutrition and personalized supplements, stress management, movement, a strict sleep regimen and purpose.

A serial entrepreneur, philanthropist, author, disruptor and visionary. When it's all said and done, which role speaks to his soul the most and why?

Jain elaborated, "The role that resonates most profoundly with me is undoubtedly that of a visionary. This aligns seamlessly with my intrinsic belief that our purpose here is to unearth a mission - a specific, powerful challenge

that energizes us to leap out of bed with enthusiasm each day. When you pinpoint such a compelling problem to tackle, the pursuit transcends ordinary work; it becomes a calling. In this journey, titles like serial entrepreneur, philanthropist and disruptor are merely incidental. They are labels that others might apply but they aren't the driving force. Being a visionary entails looking beyond the immediate, imagining the possibilities of what could be and initiating the transformative ideas that pave the way to a better tomorrow. This role captivates my soul because it embodies the true spirit of innovation - enabling personal growth and societal advancement through visionary thinking and relentless dedication to impactful endeavors."

**“Live passionately and purposefully”.**

Naveen Jain  
**CHARTING  
THE FUTURE**





TECHNOLOGY *gtm*  
Latest News

## SPACEX TO PROVIDE FREE GLOBAL EMERGENCY SERVICES VIA STARLINK FOR MOBILE PHONES

**S**paceX CEO Elon Musk has announced that the company's Starlink satellite internet service will soon offer free access to emergency services on mobile phones for people in distress worldwide. This initiative is subject to government approval in each country.

"After careful consideration, SpaceX Starlink will provide free emergency services access for mobile phones to people in distress," Musk shared on the social media platform X. "We can't have a situation where someone loses their life because they couldn't pay or forgot to."

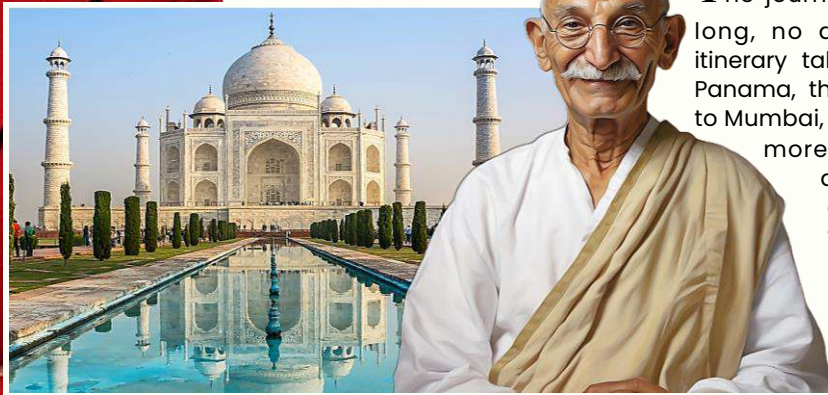
Musk emphasized the importance of this service, particularly for individuals stranded in remote areas where traditional communication networks are unavailable. With over 6,900 Starlink satellites launched to date, around 6,300 are currently in orbit, including nearly 130 equipped with direct-to-cell capabilities. These specialized satellites function as cell towers in space, allowing users to text, call, and browse the internet globally using standard LTE phones—without requiring any additional hardware or apps.

The new feature underscores SpaceX's commitment to leveraging its technology for humanitarian purposes, providing a safety net for those in need, regardless of their location or financial situation.



## A GREAT INITIATIVE IN INDIA

Former President and Vice President of the Republic of Ecuador,  
Board of Advisors Member, Global Chamber of Business Leaders,  
former Secretary General of the Amazon Cooperation Treaty Organization



The journey is long, extremely long, no doubt about it. The itinerary takes us from Quito to Panama, then to Istanbul, finally to Mumbai, and then a journey of more than three hours on a highway filled with containers brimming with goods leaving the vibrant ports of this country, one of the world's great powers. Finally, we must take a winding rural road.

that gives us a glimpse of the Indian countryside, leading us to Aamby Valley, a place with lakes and small mountains

In this place, an extraordinary event was held, organized by the young visionary Rishabh Shah, who leads an organization composed of young people between the ages of 16 and 19. They work under the guidelines of the United Nations but with a vision centered on their own country, India, a nation born under the influence of a great pacifist whom we all admire, the great Mahatma Gandhi, and inspired by marvelous poets like Rabindranath Tagore, through whom I learned to know and love India, a country that highly values spirituality.

Amid this setting, it seemed as if there were an anthill of over 3,000 young people, a good number of speakers and panelists, as well as authorities from various sectors of that enormous country, all gathered at the call of youth. Of course, Bollywood actors and actresses, highly technological musical groups, and figures from India's history and tradition could not be absent. All were driven by the youth's desire to make a change.

There were young people from India, but also, from neighboring countries. This project already covers more than fifty countries and has benefited millions of people with training and initiatives.

IIMUN is the name of this organization that aims to build a better world, based on the practice of values, enthusiasm for positive changes, and solidarity with all the peoples of the earth, which will surely bring better days for everyone.

The idea is to replicate the initiative in as many countries as possible to infuse this idealism and mobilization capacity into the different groups of young people who adhere to this solid and valuable way of looking at the universe.

H.E. Rosalía Arteaga is a prominent Ecuadorian politician and lawyer who served as Ecuador's first female President in 1997. She previously held roles as Vice President and Minister of Education. Arteaga is also known for her advocacy in education, women's rights, and environmental issues, and has authored several books on these topics.







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Global Plastics Treaty:

# LEADING CEOs CALLING FOR MANDATORY RULES

**PLANET**  
*In Crisis*

Source: Forbes, Global Times Magazine Editorial Team



In March 2022, at the fifth session of the UN Environment Assembly, a historic resolution was adopted to develop an international legally binding instrument on plastic pollution, including in the marine environment.

In March 2022 at the fifth session of the UN Environmental Assembly, 175 nations passed Resolution 5/14 to develop an international legally binding instrument on plastic pollution, including in the marine environment. This resolution requested the Executive instrument which would “be based on Director of the UN Environment Programme (UNEP) to convene an Intergovernmental Negotiating Committee (INC) to develop an a comprehensive approach that addresses the full cycle of plastic, including its production, design, and disposal.” The goal is to complete the

negotiations by the end of this year. The INC has held four sessions. The hope is that the treaty will be agreed in the fifth session on November 25–December 1 in Busan, Republic of Korea.

When it comes to the environment, climate is the overwhelmingly dominant issue in the public discourse. Biodiversity/Nature loss is rapidly arising as a topic and there is a clear relationship between the two. Relatively less general attention has been paid to plastic, but those who know about this issue realize it is an enormously important one that has devastating effects on climate and biodiversity—and thus all of us. A 2022 OECD report estimates that global plastic waste will triple by 2060, from 353 million tons (Mt) in 2019 to 1,014 Mt in 2060. In addition to the serious problems created for human and other life forms from plastic pollution in land and water (as discussed in this short video by Sir David Attenborough), are its implications for global warming. As noted by Shardul Agrawala, Head of the Environment and Economic Integration Division of the OECD Environment Directorate, “GHG emissions from plastics production and end of life are projected to double to 4.3 gigatonnes of carbon dioxide equivalents of GHG emissions in 2060.”

Where do all these plastics come from? According to UNEP, about 400 million metric tons of plastic is produced every year, with packaging,





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such as single-use plastic products for food and beverage containers, as the biggest end market for the material—over one-third of all plastic being produced. Plastic is certainly widely used by the consumer goods industry, so I sat down with some notable CEOs to understand what they are looking for from this plastics treaty.

The CEOs I spoke to are among the 230+ members (including companies, financial institutions, and NGOs) of the Business Coalition for a Global Plastics Treaty (the Coalition) which was convened by the Ellen MacArthur Foundation and the World Wildlife Fund. The coalition's objective is to bring together a diverse group of organizations "with a shared

**"You need everyone in the plastic ecosystem working together at scale to solve the issue".**



**Fisk Johnson,**  
Chairman and CEO of SC JOHNSON

ambition towards a circular economy for plastic, and a strong commitment to support an effective, legally binding treaty to end plastic pollution. "What leaps out to me is the last point in the sentence, "legally binding treaty to end plastic pollution" and so I've marked it in bold. While admittedly a sweeping generalization, companies aren't typically eager to embrace regulation, let alone regulation based on a legally binding treaty supported by most of the world's governments. But in my recent article in the Harvard Business Review, "Moving Beyond ESG," I note that "regulation is the primary way in which negative externalities are mitigated." And plastic pollution is currently a big negative externality. Fisk Johnson, Chairman and CEO of global manufacturing company SC Johnson, is clear that regulation is the main lever we need to pull. "You need everyone in the plastic ecosystem working together at scale to solve the issue. The only real way to do that is through regulation, both on an international level and a country level," he told me.

Voluntary efforts by companies involved in programs such as the Ellen MacArthur Foundation's Global Commitment are laudable but problematic for two reasons. The first is that only some companies are doing this. The second is that there are limits to what they can do without putting themselves at a competitive disadvantage. Hein Schumacher, CEO of consumer goods company Unilever, agrees. "The good news is that on a voluntary basis, we have made significant progress. The problem is you can't continue on a voluntary basis."

In light of the drawbacks of the voluntary approach, some countries have or are considering passing laws to deal with this. Examples include the U.K.'s tax on packaging that doesn't contain at least 30% recycled material, or Nigeria's ban of some single use plastic items, such as polystyrene foam packaging, which is not widely collected or recycled.

Two problems exist here as well. The first is that these do not exist in some major countries which are big plastics polluters, such as the United States, and even





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where they do exist, the neighboring country may have a softer approach which simply shifts the problem next door. The second is that this unorganized medley of regulations creates enormous complexity for multinational companies operating in countries where these regulations exist. As Schumacher pointed out, “the patchwork of regulation that we currently have is simply not working.” Johnson agreed by stating that “the emerging web of plastic regulation in various parts of the world is going to add cost and complexity unless there is consistency in rules.”

**“With global rules the business case will become more certain. That’s good for investment.”**

That’s why the CEOs I spoke to said that having a global and legally binding treaty on plastic is essential. And the Coalition members are strongly, actively, and vocally supporting this. Johnson wants to see an ambitious treaty, especially one that “provides mandatory directions for companies as it relates to product design rules. Having consistency in what we aim for would be enormously helpful to bring economies of scale and make progress on the plastic pollution problem.”

Of course, other stakeholders are weighing in on this and it is important that all voices are heard, but I find it encouraging that the Coalition is putting forward a clear point of view from business. I credit both the UN process and the Coalition for looking to engage productively. This was key to the Montreal agreement on ozone and played a role in the Paris Agreement for climate.



**Hein Schumacher,**  
Chief Executive Officer of Unilever

The next step for negotiations is an “intersessional meeting” to be held over four days in Bangkok starting on August 24. Governments will be meeting to seek to make progress on two key topics within the treaty—how to decide on the most problematic plastic products and chemicals used in plastic, which could be phased out, and what design rules for plastic products could be enshrined in the treaty

Despite the time spent negotiating so far, the full scope of the treaty is still being decided. For the Business Coalition members, it is imperative that it include plastic packaging. At the core of this is a set of common product design rules, which could be based on existing voluntary design rules such as the Consumer Goods Forum Golden Design Rules. Some examples of the nine rules are:

- Increase Value in PET recycling by using only clear or transparent blue/green PET and ensuring sleeves and labels are not problematic for recycling.
- Remove problematic elements from packaging, for example by phasing out undetectable carbon black, PVC and PVDC, Expanded Polystyrene (EPS) and PS (similar to the Nigeria ban).
- Eliminate excess headspace within flexible packaging, with a maximum of 30% or less headspace.

Many companies have agreed to voluntarily follow these rules, already overcoming technical hurdles with practical solutions that the CEOs I spoke to said are ready to scale. As pointed out previously, there will always remain drawbacks with voluntary only efforts. The only way to take them to scale is through mandatory rules.

Thus, it is essential that these design rules, or something like them, be made mandatory through a globally binding treaty. This will spur innovation, but





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**Tove Andersen,**  
Chief Executive Officer of TOMRA



innovation requires investments that pay off over time. If every company is subject to these rules, investors will support the companies making them. As Schumacher points out, “With global rules the business case will become more certain. That’s good for investment.” Tove Andersen, CEO of recycling company TOMRA, agreed that mandatory rules can allow innovation and investment to flourish. “Businesses want and need regulation to support [efforts on tackling plastic pollution], to give you the framework in place to drive the innovation and investment needed to tackle the problem.”

I’d also like to highlight three other important topics that deserve attention: phasing out problematic and avoidable plastic, (2) implementing Extended Producer Responsibility (EPR) schemes, and (3) improving waste management.

**“We have many solutions that you could just roll out tomorrow.”**

Aligning countries around phasing out the most problematic and avoidable plastic must be a priority for the treaty. Let’s take an example of something that is widely accepted as a challenging type of plastic—Polyvinyl Chloride, or PVC. It is clear it should not be completely phased out across all applications, as it has some good uses, but it is particularly problematic when used in packaging since it is more likely to be incinerated, causing toxic fumes. Unilever has already exited the use of PVC in its plastic packaging portfolio, proving this can be done. But reducing the use of PVC in packaging as much as possible will require mandatory global rules.

Schumacher noted that “Now is the moment that could be reinforced by governments through a treaty. So that it is not an implied set of rules, but it’s actually a governed set of rules.”

Much also remains to be done to improve infrastructure for plastics’ collection, reuse, and recycling. These must be funded through globally harmonized EPR

schemes which many companies are committed to supporting. In order to deliver on their promise, they must be based on a common, core set of principles that ensure that fees are equally applied to all companies and are appropriately structured based on the actual cost to recycle the material.

When it comes to waste management, we might emphasize that effective systems for waste management and recycling already exist in some countries, but the point is that broader implementation and scaling requires an enabling policy framework. Andersen added, “We have many solutions that you could just roll out tomorrow. Get the regulation in place, make it harmonised and consistent, and you can reduce plastic pollution significantly.”

The plastics treaty is a live negotiation. What governments decide to do in the coming months could have a significant and lasting impact on our planet. At the

upcoming “intersessional meeting” for the treaty, Johnson hopes progress can be made on binding rules. “At a minimum, I would hope the treaty would have definitions and rules around categories such as product design and elimination of chemicals of concern.

Each country could choose to adopt those rules on their own timeline depending on their unique regional circumstances. With global rules, industry would all be moving toward the same goals even though implementation timelines might differ.”

While some progress has been made, clearly some business leaders are concerned that the end agreement will not be ambitious enough. Schumacher was one of those. “I am worried that despite all the progress we’ve made [on plastic packaging], we might not get a treaty that delivers the clarity we need on

regulation,” he told me. I’m heartened to see many CEOs personally stepping forward to encourage an agreement with true regulatory power. One that would clearly support businesses’ interests in trying to tackle plastic waste, as well as seek to deal with the root cause of much of plastic pollution—plastic packaging.

An encouraging sign of progress came last week. Reuters reported that there has been a significant positive shift in the U.S. government’s position on the plastics treaty along three dimensions. First, to set a target to reduce the amount of plastic produced. Second, to create a list of harmful chemicals used in plastics which should be phased out. Finally, and for the first time, the U.S. has noted the importance of global rules as preferable to a patchwork of national regulations. I am personally very pleased to see this shift in position. Strong support from the U.S. seems absolutely essential to secure a meaningful global treaty.

Source: **Forbes**

Article **END**

“I’m heartened to see many CEOs personally stepping forward to encourage an agreement with true regulatory power.”





## WERIDE GAINS APPROVAL FOR DRIVERLESS VEHICLE TESTS IN CALIFORNIA

**C**hinese start-up, WeRide, has secured approval from California's Public Utilities Commission (CPUC) to conduct passenger-carrying tests with its driverless vehicles. The three-year permit enables WeRide to transport passengers in both driver-operated and fully autonomous vehicles within San Jose and surrounding areas.

While the permit marks a significant milestone for WeRide in the U.S. autonomous vehicle market, it comes with restrictions: the company cannot offer rides to the general public or charge for its services. Currently, WeRide operates a fleet of 12 vehicles in California, as confirmed by the CPUC.

This development is a critical step forward for WeRide, but the company may face heightened scrutiny due to its Chinese origins, especially given the ongoing geopolitical tensions between China and the U.S. As WeRide continues its testing, industry experts will be closely monitoring its performance, safety protocols, and ability to comply with U.S. regulations.



# CONTENT CREATION WITH A NEW-ERA OUTLOOK

Irina Yugay, Content Strategist, Global Times Magazine, GCBL

Irina Yugay may be on the younger side of the age spectrum but her youth belies her mature outlook on business and specifically, the dynamics of new-era content creation.

Hailing from Indonesia, she possesses a knack for international perspectives and is au courant with leading trends and developments in different disciplines and fields.

She was recently appointed as a Content Strategist for the Global Times Magazine (GTM), where she would be responsible for assisting the Editorial Team with conceptualising content, prioritizing the integration of selected trending business topics and areas of interest.

One who formerly pursued International Journalism as a major at University, she has re-shaped her career a time or two as she navigated her passion, purpose and professional desires.

Her work in the area of writing has included time at global organizations such as Humanity Plus, where she has helped to craft content strategies that embody empowering ideas and universal values. As a former content writer at Mindvalley as well, she developed a deep understanding of self-development and emerging business paradigms centred on unity and cooperation.

Yugay's expertise extends into the DeFi space and the rapidly evolving world of AGI technology, making her a versatile strategist at the intersection of media, technology and personal growth. Her extensive experience and knowledge gained over the years have paved the way for her to become an asset in any forum in which she has joined.

The enthusiasm from her for the ever-evolving world of new-era options such as cryptocurrency, etc. and diversified health and wellness is unbridled and her team spirit is one that can be immediately felt.

Over the years, she has been able to forge strong international connections as she's participated in numerous projects, initiatives and educational pursuits with some of the most influential players in the business arena. Her understanding of how imperative relationships are to business has also augured well for her, both individually and at a team level.

With a major in international journalism, Irina brings extensive experience from her work with global organizations like Humanity Plus, where she helps craft content strategies that embody empowering ideas and universal values. As a former content writer at Mindvalley, she has a deep understanding of self-development and emerging business paradigms centered on unity and cooperation. Her expertise extends into the DeFi space and the rapidly evolving world of AGI technology, making her a versatile strategist at the intersection of media, technology, and personal growth.



Otto Von Bismarck:

# THE IRON CHANCELLOR WHO FORGED MODERN GERMANY

**HISTORY**  
— We Know —

Global Times Magazine Editorial Team



Otto, Prince of Bismarck, Count of Bismarck-Schönhausen, Duke of Lauenburg was a Prussian statesman and diplomat who oversaw the unification of Germany.

Germany today stands as a central force in Europe, not only geographically but also politically, economically, and culturally. It is the leading nation of the European Union, the most robust economy on the continent, and a global leader in scientific research and innovation.

Despite the scars of two world wars and the painful division during the Cold War, Germany has emerged resilient, unified, and powerful. This transformation can be traced back to the 19th century and the indomitable will of one man: Otto von Bismarck, the Prussian nobleman who masterminded the unification of Germany and shaped the course of European history.

## The Early Life of Otto von Bismarck:

### A Noble Heritage

Born on April 1, 1815, in Schönhausen, a small Prussian estate, Otto von Bismarck was the product of a conservative aristocratic family. His father, Karl Wilhelm Ferdinand von Bismarck, was a Junker, a member of the Prussian landed nobility, while his mother, Wilhelmine Mencken, came from a more urban and intellectual background. This blend of rural conservatism and intellectual rigor would later define Bismarck's complex personality and approach to politics.

The Bismarck family, like many Prussian nobles, revered the monarchy and upheld the traditional social hierarchy that placed the nobility at the top. They had endured the upheavals of the Napoleonic Wars, which had shaken the foundations of Europe but had ultimately reaffirmed their commitment to a stable, monarchic order. In this environment, young Otto was raised with a deep respect for authority and a sense of duty to uphold the social order.

Bismarck's early education was typical for a young nobleman of his time. He attended prestigious schools and universities, studying law at the University of Göttingen and the University of Berlin. However, he was not particularly distinguished as a student, often preferring the pleasures of student life to the rigors of academic study. After completing his education, Bismarck entered the Prussian civil service



but quickly grew bored with the mundane nature of bureaucratic work. He resigned after a short period and returned to manage his family's estate, where he settled into a comfortable, if somewhat uneventful, life.

## The Revolutions of 1848:

### **Bismarck's Political Awakening**

The peace and stability that Bismarck enjoyed on his estate were shattered in 1848, a year that would prove to be a turning point not only for him but for all of Europe. The Revolutions of 1848, also known as the Springtime of Nations, were a series of political upheavals that swept across the continent. Sparked by events in France, where a popular uprising forced King Louis Philippe to abdicate, the revolutionary fervor quickly spread to other European capitals, including Berlin and Vienna.

In Berlin, revolutionaries demanded greater political freedoms, including the formation of a German parliament that would represent all German-speaking states. King Frederick William IV of Prussia, under pressure from the masses, reluctantly agreed to these demands, leading to the creation of the Frankfurt Parliament, an assembly tasked with drafting a constitution for a unified Germany.



Bismarck's Realpolitik and firm governance resulted in him being popularly known as the Iron Chancellor.

Bismarck, who had thus far shown little interest in politics, found himself deeply opposed to the revolutionary movement. He saw it as a threat to the traditional social order that had preserved the privileges of the nobility for centuries. More importantly, he feared that a unified Germany, as envisioned by the revolutionaries, would be dominated by Austria, a predominantly Catholic state, which would overshadow Protestant Prussia. Bismarck's vehement opposition to the revolutionaries earned him the attention of the Prussian king, who recognized in him a potential ally against the forces of change.

## Bismarck's Diplomatic Apprenticeship:

### **Learning the Ropes of European Politics**

After the revolutionary fervor subsided, Bismarck's political career began in earnest. In 1851, he was appointed as the Prussian representative to the German Confederation, a loose association of German states based in Frankfurt. This position, though not particularly powerful, allowed Bismarck to hone his diplomatic skills and gain a deeper understanding of European politics.

During his time in Frankfurt, Bismarck became acutely aware of the limitations of the German Confederation, which was dominated by Austria and largely ineffective in promoting German unity. He also recognized the deep-seated rivalry between Austria and Prussia, which he believed would eventually have to be resolved through conflict. Bismarck's time in Frankfurt convinced him that Prussia would have to assert itself as the leader of a united Germany, and that this could only be achieved by excluding Austria from German affairs.

Bismarck's diplomatic career continued to flourish, and he was soon appointed as Prussia's ambassador to Russia. In St. Petersburg,

Bismarck developed a close relationship with Tsar Alexander II, which would later prove invaluable in securing Russian neutrality during Prussia's wars of unification. He also spent a brief period as Prussia's ambassador to France, where he gained insights into the internal politics of the French Empire under Napoleon III.

These diplomatic postings were crucial in shaping Bismarck's worldview. He came to understand that power in Europe was not just about military might, but also about skillful diplomacy and the ability to manipulate alliances to Prussia's advantage. Bismarck's experiences abroad convinced him that Prussia's destiny lay in leading a unified Germany, but that this unification would not come through peaceful negotiation—it would require force.

## The Rise of Bismarck: From **Prime Minister to Chancellor**



Bismarck was important for two reasons: 1. Through him Germany was 'united' and became a nation. 2. He left a very strong mark on German politics and the German constitution that would have effects right up to WW2. Before 1871, Germany was a fairly loose collection of small, strong independent states.

Bismarck's moment came in 1862 when King William I of Prussia found himself embroiled in a constitutional crisis. The Prussian parliament, dominated by liberals, refused to approve the king's military reforms, which aimed to strengthen the Prussian army. Frustrated and on the verge of abdicating, William I turned to Bismarck, appointing him as Prime Minister of Prussia in a last-ditch effort to resolve the crisis.

Bismarck wasted no time in asserting his authority. In his first speech to the Prussian parliament, he delivered what would become one of his most famous declarations: "The great questions of the day will not be decided by speeches and majority decisions... but by iron and blood." With these words, Bismarck made it clear that he was prepared to use force to achieve his goals, and that he would not be constrained by parliamentary opposition.

Under Bismarck's leadership, the Prussian government bypassed the parliament and implemented the military reforms by royal decree. This move sparked outrage among the liberals, but Bismarck was undeterred. He knew that a strong military was essential for the unification of Germany, and he was willing to defy the parliament to achieve this end.

## The Danish War:

### **The First Step** Toward Unification

Bismarck's first major test as Prime Minister came in 1864, with the outbreak of the Danish War. The conflict arose over the duchies of Schleswig and Holstein, which were ruled by the Danish king but had large German-speaking populations. When Denmark attempted to fully incorporate these duchies into its kingdom, the German Confederation, led by Austria and Prussia, intervened.



A century ago, Bismarck was considered a hero and great German patriot, with streets and squares across the country named after him.

Bismarck saw the Danish War as an opportunity to assert Prussia's leadership in German affairs and to lay the groundwork for future unification. He skillfully maneuvered Austria into joining the war on Prussia's side, knowing that this alliance would be short-lived. The war ended in a swift victory for the German Confederation, and Schleswig and Holstein were placed under joint Austrian and Prussian administration.

However, Bismarck had no intention of sharing power with Austria for long. He used the post-war negotiations to create tensions between the two powers, setting the stage for the next phase of his plan: a decisive conflict with Austria.

## The Austro-Prussian War:

### **Excluding** Austria from Germany

By 1866, Bismarck had successfully isolated Austria diplomatically, securing the neutrality of Russia, France, and Italy in the event of a conflict. The stage was set for a showdown between the two largest German states. Bismarck engineered a dispute over the administration of Schleswig and Holstein, which provided the pretext for war.

The Austro-Prussian War, also known as the Seven Weeks' War, was a resounding victory for Prussia. The Prussian army, led by General Helmuth von Moltke, employed superior tactics and technology to defeat the Austrian forces in a series of rapid and decisive battles. Austria's defeat was so complete that Bismarck was able to dictate the terms of peace.

Yet, in a move that surprised many, Bismarck chose not to impose harsh terms on Austria. He knew that a humiliated Austria would seek revenge and could become a dangerous enemy. Instead, he offered Austria lenient terms: no territory was taken, no reparations demanded. Austria was simply excluded from German affairs, leaving Prussia as the dominant power in the German states.

This magnanimous peace secured Austria's neutrality in future conflicts and allowed Bismarck to proceed with the next phase of his plan: the unification of the remaining German states under Prussian leadership.

## The North German Confederation: **A Step Toward Empire**



With Austria out of the way, Bismarck moved quickly to consolidate Prussia's gains. In 1867, he established the North German Confederation, a political union of 22 northern German states under Prussian dominance. This confederation was essentially a Prussian-led proto-German Empire, with a constitution that placed the King of Prussia at its head and Bismarck as its Chancellor.

The North German Confederation was a significant step toward full unification, but it left out the southern German states, which were predominantly Catholic and wary of Protestant Prussia's dominance. Bismarck knew that these states would

would only join a united Germany if they faced a common external threat—one that would make them turn to Prussia for protection.

## The Franco-Prussian War: **The Final Act of Unification**

Bismarck found the opportunity he was waiting for in the ambitions of Napoleon III, Emperor of France. Napoleon, increasingly alarmed by the rise of Prussia, was looking for a way to curb its growing influence. A diplomatic dispute over the Spanish throne provided Bismarck with the perfect pretext to provoke France into declaring war.

Bismarck manipulated the Ems Dispatch, a telegram describing a meeting between King William I of Prussia and a French ambassador, to make it seem as though the Prussian king had insulted France. The edited version of the dispatch, released to the press, inflamed public opinion in both France and Germany. Napoleon III, bowing to pressure

The phrase which has been often transposed to "Blood and Iron". His meaning was to gain the understanding that the unification of Germany will be brought about through the strength of the military forged in iron and the blood spilled through warfare.

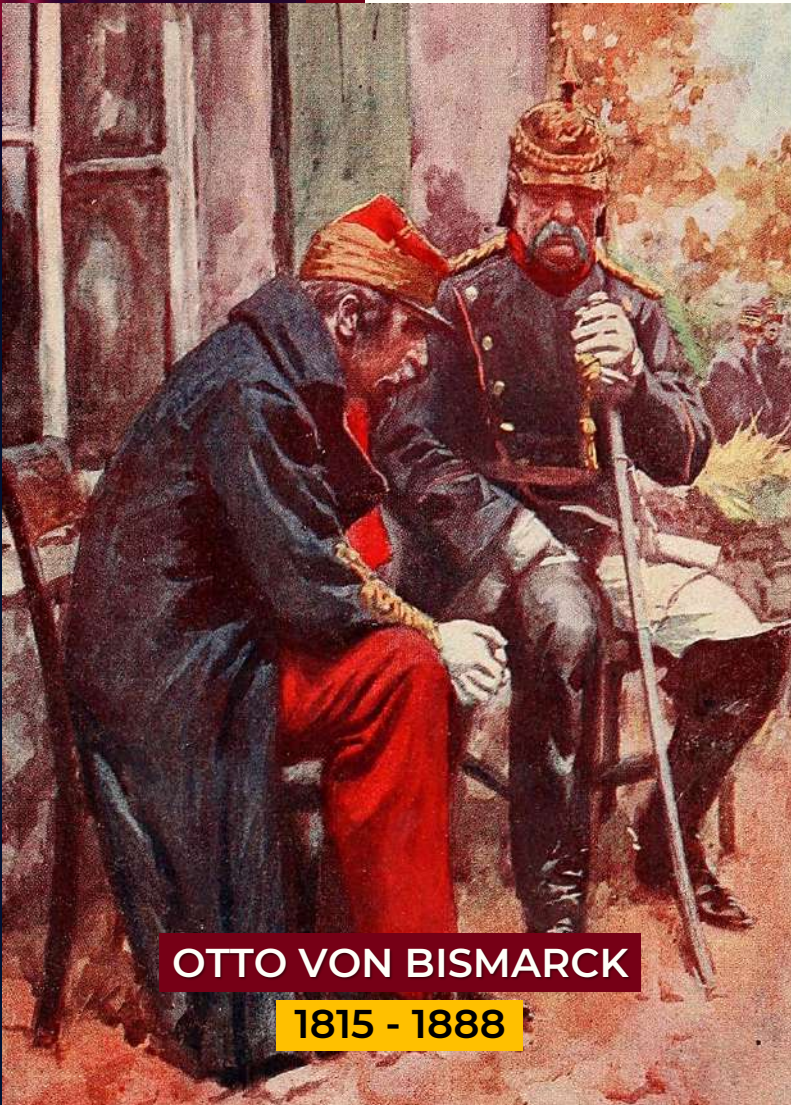
from his own military and public, declared war on Prussia in July 1870.

The Franco-Prussian War was a carefully orchestrated trap. The southern German states, fearing a repeat of the Napoleonic invasions of the early 19th century, rallied to Prussia's side. United, the German armies quickly defeated the French forces, culminating in the capture of Napoleon III at the Battle of Sedan.

On January 18, 1871, in the Hall of Mirrors at the Palace of Versailles, King William I of Prussia was proclaimed Emperor of the newly unified German Empire. This moment marked the culmination of Bismarck's efforts—Germany was now a powerful, unified state under Prussian leadership, and Bismarck was its first Chancellor.

The Legacy of Bismarck:

## The Architect of **Modern Europe**



**OTTO VON BISMARCK**

**1815 - 1888**

After the unification, Bismarck's influence extended beyond Germany's borders. He orchestrated the Berlin Conference of 1884-85, which regulated European colonization in Africa, and carefully managed European alliances to maintain peace on the continent, a period known as the "Bismarckian System."

His realpolitik, or politics based on practical objectives rather than ideals, became the hallmark of his governance.

Yet, despite his successes, Bismarck's later years were marked by increasing conflict with the young Kaiser Wilhelm II, who ascended the throne in 1888. The new emperor had little patience for Bismarck's cautious foreign policy, and in 1890, he forced the Iron Chancellor into retirement.

Bismarck spent his final years at his estate, Friedrichsruh, where he reflected on his achievements and wrote his memoirs.

Otto von Bismarck passed away on July 30, 1898, but his legacy lived on. He had transformed a fragmented collection of German states into a unified empire that would dominate European affairs for decades.

His policies and strategies laid the foundation for the modern German state and influenced the course of

European history in ways that are still felt today. Bismarck's life was a testament to the power of determination, diplomacy, and sheer force of will—traits that earned him his enduring title as the Iron Chancellor.



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TECHNOLOGY *gtm*  
Latest News

## META PARTNERS WITH SAGE GEOSYSTEMS TO POWER U.S. DATA CENTERS WITH GEOTHERMAL ENERGY

**M**eta Platforms, the parent company of Facebook, has entered into a partnership with Sage Geosystems to supply geothermal power to its U.S. data centers. This initiative is part of Meta's broader strategy to support its growing investments in energy-intensive artificial intelligence technologies.

The first phase of this 150-megawatt geothermal project is slated to become operational by 2027, significantly boosting the use of geothermal energy in the U.S. Although the exact location has not yet been finalized, the project will be situated east of the Rocky Mountains.

Meta announced the partnership during a U.S. Department of Energy event focused on advancing geothermal development. This collaboration aligns with the Biden administration's call for tech companies to invest in clean energy to meet their escalating electricity demands. For Sage Geosystems, this project represents its largest undertaking to date, following the successful field validation of its technology just two years ago..



# Miha Pogacnik Naval

The Chair of the GCBL's Board of Advisors,  
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The Story About

# JUAN CARLOS RENGIFO'S



Balancing Diplomacy, Finance & Humanity

**I**n almost any photo you see of Juan Carlos Rengifo, you'll find his countenance lit up with a warm smile or wide grin. When you hear his voice in a casual setting, it will immediately affect a sense of friendly familiarity.

One of the words that he holds dear to him is love. Someone with his accomplishments and experience, you'd think that something within his professional scope brings him the most satisfaction but even though he loves and is passionate about his career, that is not the case. However, it is two-fold.

What brings him the most satisfaction on a personal level?

Answered Rengifo, "Being the proud father of six amazing human beings, with the aim of sharing with them my visions and life experiences. Additionally, having this unique opportunity to live the experience of delivering fully performed key projects that will benefit those communities in which we have planned them in a timely manner,





**FOUNDATIONS IN REAL ESTATE AND BEYOND**

Juan Carlos Rengifo Urbaz began his professional journey with a Bachelor of Science in Real Estate Management. This foundational education provided him with the tools to enter the business world, but his ambitions extended far beyond this initial focus.

Over the years, he accumulated multiple certifications across various sectors, including hospitality, health sciences, justice, and finance, reflecting his diverse interests and broad skill set.

seeing the smiles of the people who will enjoy all facilities created for the betterment of their lives makes one happy, teaching them to give the best of themselves to our planet and people.”

Rengifo has had a demanding yet exciting career path. What has it been like and what has been the significance of his work?

Said the Venezuelan-born world citizen, “As an Ambassador during the last seventeen years of my Diplomatic accreditation, I have had the opportunity to work for different organizations completely dedicated to offering support to many circumstances in different

organizations completely dedicated to offering support to many circumstances in different member states of the United Nations; seeking signatories in Treaty agreements for mutual collaborative benefit that would improve their mere chances; to extend assistance to low-income community regions while having had the opportunity to visit over eighty-five countries; being able to acquire endorsement of twenty-two countries, for which I’ve had the privilege of creating many diplomatic groups dedicated to the consolidation of key aids

**“I have had the opportunity to work for different organizations”.**

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Setting The Tact



needed at various levels of arrangements for the betterment of their communities.”

His eventual professional course was not his initial goal and he has proven that sometimes, it's worth it to gamble on yourself.

“My childhood desire for a lifetime career was to become a Chemical Engineer since I sought to understand the detailed processes and progression that nature uses in evolution that initiate changes in living organisms, and little by little, in all matters of life, believing that if I understood properly how nature would engineer, using intrinsic chemical principles to complete what it wanted to create to form living organism, then perhaps later in life, I could become a co-creator with natural order to enhance the use of these elements and materials for the betterment of life in general vortex.

Later on, in my lifecycle, fascination with this creativeness, naturally became applied in my diplomatic activities and my career in finance, to allow implementing the intention of co-creating humble improvements in the natural assembly of certain societies in various regions where I have had the opportunity to participate in its development economically on a grassroot level by applying financial programs to help improve the most basic important social and structural areas of communities, training them to apply circular economy in its most practical nature.”

His distinctive career, keen eye for opportunities, instinctive capabilities,

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**ENRICHING KNOWLEDGE IN CAMBRIDGE**

Juan Carlos's pursuit of knowledge took him to Cambridge, England, where he further developed his expertise in finance. This international education allowed him to deepen his understanding of global financial systems and prepared him for a career that would span multiple continents.

His time in Cambridge laid the groundwork for the cross-border collaborations he is involved in today.

eagerness to build alongside like-minded individuals and his good nature propelled him into the well-deserved appointment as a Senior Economic Advisor at the Global Chamber of Business Leaders (GCBL) recently.

In what area is he most inclined and eager to be of service?

Said Rengifo, 'I will promote the positioning of new members that will create a much stronger base of opportunities that must increase the potential portfolio of exchanges in interactions, goods and services; specializing in network growth, while matching business criteria; always aiming to commit to reserve an important percentage of all net profits and dedicate them to the provision of all social, environmental and humanitarian agendas that may be laurel-award for progress.'

***"I will promote the positioning of new members that will create a much stronger base of opportunities".***

The GCBL has several moving parts, from food security to finance, woman empowerment, humanitarian rights, business consultancy, advocacy, climate and environmental care, geopolitics, etc.

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Shaping The Future



**A GLOBAL FINANCIAL CAREER BEGINS**

Juan Carlos's financial career began in 2001 in Miami, USA, where he worked with Wells Fargo. This experience marked the start of a long and successful journey in finance, particularly in structuring large-scale financial solutions.

He later served as an advisor and compliance officer for the Central Bank of Venezuela, where his responsibilities deepened his expertise in financial structuring and compliance. During this time, he traveled to 85 countries, sharing his knowledge through lectures on the securitization of sovereign assets.

Resilience, collaboration and sustainability being a few of his watchwords, his parallel vision as he takes an active role is clear.

“While working now for many years in supporting and believing in the ideas of the Economic and Social Council of the United Nations (ECOSOC), I shall continue to offer the best of my capacities in an active role in the development of all the sustainable goals to help contribute with the implementation of projects associated to the success of these SDG 2030. I have been a registered financial agent for more than twenty-five years with different regulated entities under different regulatory authorities, and with the prominent help of our very strong global and Swiss-Italian partners, we have already structured the dedicated tools through my Swiss Company, FINENPROC AG, to service these exchanges, allowing us to be extremely proactive in the fields of commodity trade and financial services with a particular focus on the LATAM market.

This comprehensive structure with legal representatives in many countries including USA, Panama, Puerto Rico and BVI is committed to donate at least 10% of their profits to all the

initiatives of the GCBL and the Inter-Governmental Collaborative Fund For Excellence (ICAFE), benefiting the educational aid programs already deployed in the regions of interest.

We can count on a Board and a Council of seasoned tax experts, bankers and trade specialists dedicated to the sustained development of our goals.”

Sustainability has become a buzzword albeit a serious intent among business entities. In his world though, what does sustainability mean?

“In my own experience, creating true sustainability means facing the real challenges of identifying how to go from commitment to real action as part of social responsibility on a corporate level in supporting local society. To successfully navigate the complexity of circular transformation, it would require a fundamental shift in how we conceive, not only product development but also the very business models that motivate our organizations, whereby understanding that only a true win-win situation where nature and all parties involved in the development of a given business activity, will have the real opportunity to receive back from their proper effort a matching reward in the form of conscious profits and resources that will allow us to practice the principles of rotary economy to meet the challenges.”

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#### ALLOCATION AND PPP FINANCING

In his current roles, Juan Carlos focuses on the Sovereign Guarantee Allocation program, which finances Public-Private Partnerships (PPP). This initiative plays a crucial role in facilitating large infrastructure and development projects, particularly in Latin America and Europe.

His extensive experience in financial structuring and public finance makes him a key figure in this arena, helping governments and private entities collaborate effectively.

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Rengifo has had extensive experience within Latin America and his pursuits have included working closely with various Governments in that territory. What were his major roles in those positions?

He stated, "My roles were always to initially assess their true nature, understanding realistic potential possibilities to intervene; to build proper financial versatility and guarantee fresh investment by securitizing any form of future production of any possible strategic commercial operation we might initiate locally in the near future. (Additionally), by working to gain value of an average projected income of their potential commercial activities that can become a catalyst for the change, we can

help them develop locally when creating proper synergy in promoting public private partnership (PPP) and participation agreements that would allow us to invite under Treaties, proper international private parties with the financial power to help these countries develop and join the emerging developing nations around the world, departing the third-world statutes by growth that will

***"creating true sustainability means facing the real challenges of identifying how to go from commitment to real action".***





**ALLOCATION LEADERSHIP IN GLOBAL ORGANIZATIONS**

Today, Juan Carlos holds prominent leadership roles in several international organizations. He serves as the Deputy Secretary General of the Intergovernmental Collaborative Action Fund for Excellence (ICAFE), a global platform for intergovernmental collaboration. He is also the President of the Board of Directors at FINENPROC AG. Additionally, Juan Carlos serves as a Senior Advisor for the Global Chamber of Business Leaders and is the High Commissioner for the Eurasian Economic Cooperation Organization (EECO), where he works to foster economic cooperation and growth across Eurasia and beyond.

eventually benefit the overall populations of these countries.”

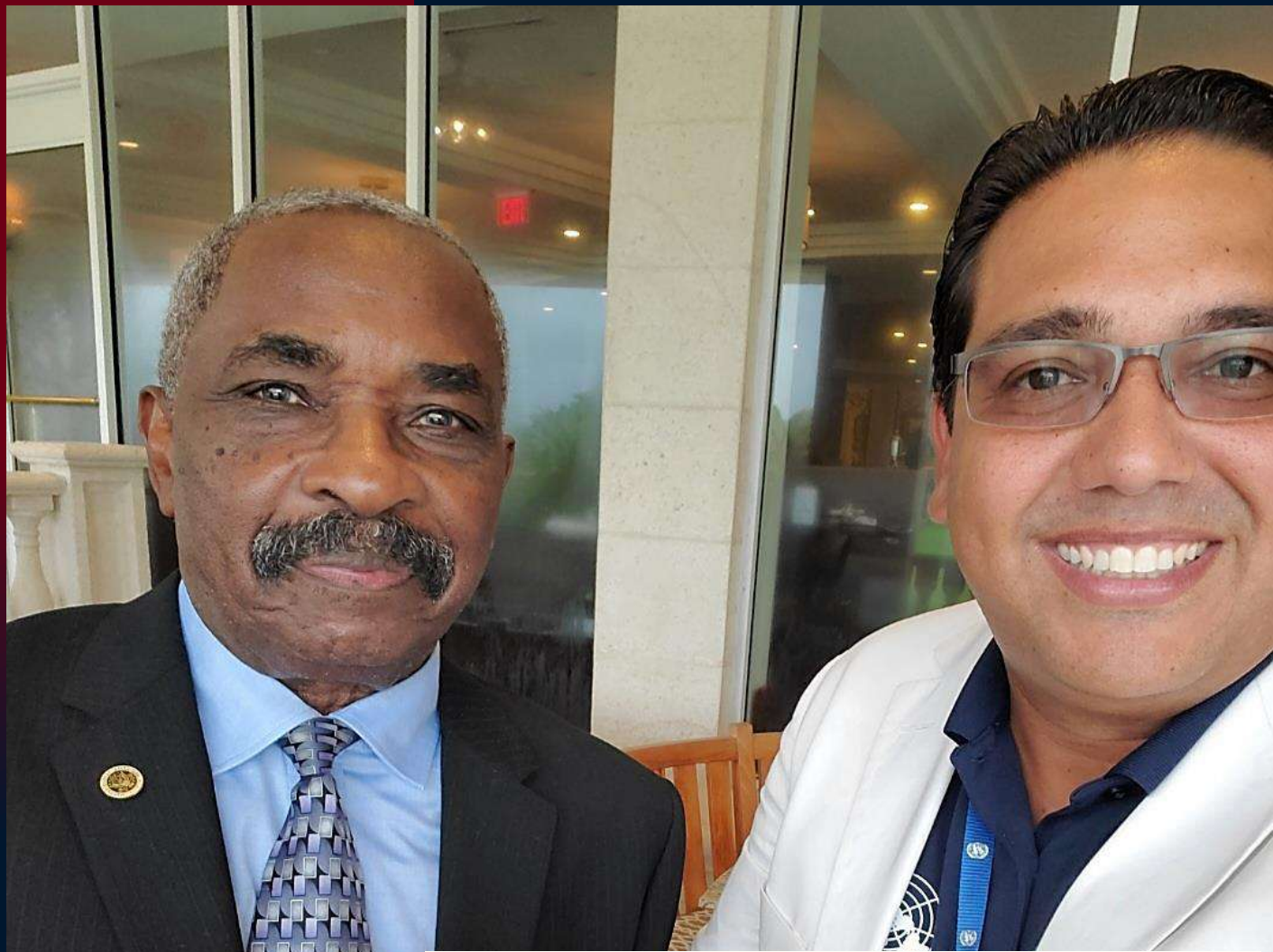
Speaking about his overall experience in South America and Asia, he said, “In both regional-continent, I have had the pleasure of enjoying sharing the best of their cultures and humbly providing my professional level of expertise, either it be in the diplomatic, economic or field of social affairs, achieving accomplishment of many proposals in numerous strategic plans for those specific comprehensive development tasks assigned to my team.”

To those who hear of his certifications, it might seem uncanny that someone with such a diverse background chose this career path. Rengifo has certifications in the fields of hospitality, health sciences and justice. It is said though, that education is never wasted. That being said, has any of these disciplines shaped his career in any way or contributed to his growth?

“By understanding the importance of detail cases in those different commercial operation models, I have tried to train myself to recognize common elements to succeed at fulfilling almost any novel business models, passing on this valuable information through our academic channel Programmes, utilizing our network of independent minds in our intergovernmental organization, which focuses on collaboration strategies to enhance partnership, which has become a major priority.”

His focus including the general and specific status of political circumstances on a global scale, he always has to come to a definitive

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understanding and conclusion. Generally speaking, what does he think is lacking with many or some Governments regarding their vision in the area of finance in these 2020s and particularly in this post-pandemic period?

Said Rengifo, "Government finances have been in a state of continuous development over the last decade. This development can be traced largely to the changing tasks of government vision. Those changes are in the element of economic management. Public money management practices have been seriously buffeted by the crosscurrents of changing economic conditions. Following

the Covid (pandemic), budgeting has appeared to have lost its traditional role of restraining public expenditure and came to be used for sustainability rather than for economic growth.

Governments must adapt promptly to the rapidly changing scenarios that would allow them to deploy development and securitization strategies based on the future potential production of their most feasible business models at hand. For example, mineral mining, food production or any other activity that they could leverage upon, always

**"Governments must adapt promptly to the rapidly changing scenarios".**



#### A VISIONARY FOR THE FUTURE

Throughout his career, Juan Carlos has shown a commitment to financial innovation and international collaboration.

Whether through his work in sovereign asset securitization, PPP financing, or leadership in global organizations, Juan Carlos remains dedicated to shaping the future of global finance and supporting economic development in diverse regions around the world.

His global experience, combined with his passion for education and financial strategy, positions him as a visionary leader in the field of international finance.

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taking into account the challenges to implement the use of new eco-friendly technologies for the betterment of the relationship (with) our interaction between our fragile nature (environmental concerns) and our need for continued industrial development.”

Adamant about how critical collaboration is, Rengifo's efforts have also hinged on Diplomatic Reciprocity, which included a trip to Cuba with a view of forging Diplomatic Reciprocity.

On a global scale, what did he think is the status with countries where this area is concerned? Is Diplomatic Reciprocity more important now than ever?

He expounded, “Diplomatic reciprocity (has) its key element in mutual presentation of respect of one another’s sovereignties but developing commercial collaboration with mutual agreements under this reciprocity is the main key, while being a most significant element that creates sustainability in trust to give to fair partnership. That should be the base and center of applied reciprocity in the categorical charter for human development as a passport to change and grant us the license to a productive diplomacy.”

His commitment to certain projects and initiatives has been maintained over the years. He gave a brief overview of the O.S.J, where he has been their Latin American Chancellor, and shared the O.S.J's primary objectives and the role he still plays today.

“The Order of Saint John of Jerusalem is a person of international right,





a sovereign entity with many embassies, dedicated to service to numerous bilateral agreements to procure financial resources or any other kind of strategic resources needed to deliver assistance to those who most need it. I have been an active member to help engage public and private parties for economical support of these initiatives.”

Living a life with a compact itinerary that requires international travel, having garnered the accomplishments and accolades and seeing the impact of his work in an international setting, surely he has reached the summit. Or has he?

He will tell you that’s simply not the case. Even with his professional accomplishments and longstanding career, what goal does he feel has escaped him thus far? What is his burning desire?

Rengifo pensively said, “I would like to always keep growing deeper academically and professionally by attending a received invitation to complete a Harvard University PHD Degree dedicated to social justice, for which I was already awarded a full scholarship. (I also want to) make room in my career to explore the opportunity to offer the best of all these academic and professional experiences to be of some humble collaboration to the sustained development of my beloved country, Venezuela, my jewel in the rough, that has all sorts of immeasurable potentials to strongly grow economically and to dignify with a stronger economy, the lives of my fellow brothers and sisters citizens there.”

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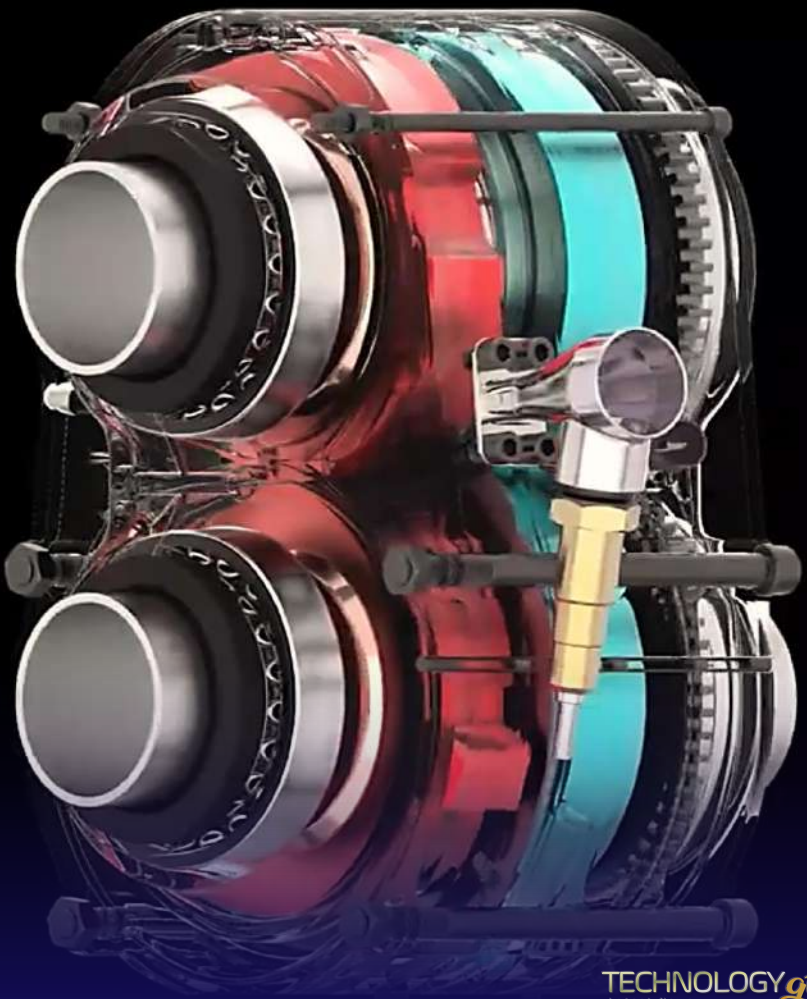
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Latest News

## ASTRON AEROSPACE UNVEILS HIGH-EFFICIENCY HYDROGEN ROTARY ENGINE WITH ZERO EMISSIONS

**A**stron Aerospace has introduced a groundbreaking prototype of its new rotary combustion engine, the H2Starfire, which achieves an impressive 60% thermal efficiency. Remarkably, this engine operates with zero NOx emissions, producing only clean water as exhaust.

The H2Starfire features a unique rotary design that shares some similarities with the Wankel engine but eliminates the need for planetary gears or apex seals. Instead, it uses two counter-rotating shafts with extremely tight, frictionless tolerances, made possible by advanced ceramic coatings and titanium components. These innovations are key to maintaining the engine's high efficiency and preventing heat-related deformation.

As its name suggests, the H2Starfire runs on hydrogen, a notoriously challenging fuel to store and transport. The engine employs a two-rotor design, with an aluminum front section for intake and compression and a titanium rear section for expansion and exhaust.

The engine draws in air, compresses it to 200–300 psi (13.8–20.6 bar), mixes it with hydrogen fuel, and ignites the mixture to generate power. This combustion process occurs during a 270° rotation, enabling the engine to idle at 1,000 rpm and reach speeds of up to 25,000 rpm.

Despite its compact size—measuring just 11.4 x 12.5 x 17.3 inches (29 x 32 x 44 cm) and weighing 120 lb (54 kg)—the H2Starfire engine delivers an impressive 400 horsepower (298 kW) and 500 lb-ft (678 Nm) of torque.



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A Young Scientist's Dream:

# THE SOAP THAT COULD CHANGE THE WORLD

SCIENCE  
News

Global Times Magazine Editorial Team

**BREAKING**

TIME: Introducing our Kid of the Year, Heman Bekele. The fifteen-year-old invented a soap that could one day treat, and even prevent, some skin cancers.



In a world where innovation often comes with a hefty price tag, 15-year-old Heman Bekele's dream is both revolutionary and deeply human. Originally from Ethiopia and now a student in Fairfax, Virginia, Heman has captured the attention of the scientific community with an idea so simple yet profound that it could change the lives of millions: a soap that could help prevent and treat skin cancer.

Heman's journey to recognition began when he was named the Child of the Year 2024 by Time magazine, a title awarded not just for his potential, but for the sheer brilliance and empathy behind his creation. His invention—a soap infused with the cancer-fighting compound imiquimod—has been hailed as nothing short of groundbreaking. This innovative concept earned him the title of America's Top Young Scientist in a competition organized by Discovery Education and 3M, along with a prize of 22,000 euros.

But more than the accolades, Heman's story is one of determination, humility, and a deep desire to make a difference. "Everyone is capable of doing what I did," he said modestly. "I got an idea, I tried to develop it, and I managed to make it happen."

## The Inspiration Behind The Invention

Heman's inspiration for the soap came from memories of his early childhood in Ethiopia. He vividly recalls seeing workers laboring under the relentless sun without any protection. "When I was younger, I didn't think much about it, but when I came to America, I realized how much of a problem the sun and ultraviolet radiation can be if you're exposed to it for too long," he shared with Time.

This realization, combined with his growing interest in medicine, led Heman to think about ways to make skin cancer treatment more accessible. He asked himself a simple yet profound question: "What is that thing that is used by everyone all over the world, regardless of social or economic status?" The answer was clear—soap. Almost everyone uses soap and water daily, making it the perfect vehicle for delivering a potentially life-saving treatment to people everywhere, especially in places where access to medical care is limited.

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## The Road To Recognition

Heman's idea quickly gained traction, catching the eye of scientists and researchers around the world. One such individual was Vito Rebecca, a molecular biologist at the prestigious Johns Hopkins University. "I remember reading somewhere about a young guy who was developing an idea for an anti-skin cancer soap," Rebecca recalled in his interview with Time. "I thought how cool it was that he wanted to make medicine accessible to everyone. And then, at a meeting of researchers in this field, I was introduced to Heman. You could see right away how passionate he was. When I found out he lived in Virginia, which is close to us, I invited him to join our lab."

Heman accepted Rebecca's offer and spent his summer working in the lab at Johns Hopkins, refining his soap and learning more about the complexities of cancer treatment. Despite the significant progress, Heman acknowledges that the journey is far from over. "Finding the right formula is a long-term process that is still not finished," he admitted. "But persistence is a very important part of the scientific process."



## A Vision For The Future

Heman's vision is to make skin cancer treatment affordable and accessible to everyone. In the United States, therapy with imiquimod—a cream currently used to treat certain types of skin cancer—can cost as much as 35,000 euros. Heman's soap, on the other hand, could be produced for about half a euro per piece, with a package of 20 costing just seven and a half euros. This drastic reduction in cost could make a world of difference for those who cannot afford traditional treatments.

However, the road to making this soap widely available is still long and fraught with challenges. The product must undergo rigorous testing and receive approval from the FDA, a process that could take several more years. But Heman remains undeterred. His commitment to his vision is unwavering, and his passion for helping others shines through in everything he does.

The photo shows a prototype of soap for cancer treatment.  
Photo: Fairfax, Virginia High School

## The Heart Of A Young Innovator

Heman Bekele's story is not just about a young scientist with a brilliant idea; it's about the power of empathy and the drive to create something that can genuinely change the world. His soap is more than just a product—it's a symbol of hope, a testament to what can be achieved when innovation meets compassion.

As he continues his research and development, Heman remains grounded, never losing sight of the people he hopes to help. "I just want to make a difference," he says simply. And with his groundbreaking idea, he's well on his way to doing just that.

In a world often driven by profit and prestige, Heman Bekele stands out as a beacon of what true innovation should be: a force for good, driven by a desire to make the world a better place for everyone. His journey is just beginning, but the impact of his work could resonate for generations to come.



Article **END**





## GROWING SUCCESS OF WOMEN IN MANUFACTURING & AGRIBUSINESS IN THE 2020s

Saadia Lakehal, Delegate for Canada, Global Chamber of Business Leaders

In the 2020s, women have made significant advancements in the traditionally male-dominated fields of manufacturing and agribusiness, reflecting a broader shift towards gender equality in the workplace.

**Manufacturing:** Historically, manufacturing has been a sector with notable gender disparities. However, this landscape is changing as women increasingly assume leadership roles and contribute to skilled trades and engineering. Programs aimed at encouraging girls to pursue STEM education and initiatives to boost female representation in technical fields have been crucial. Women now lead major manufacturing companies, set industry standards and drive innovations in automation and sustainability. This progress is further supported by evolving technologies like automation, AI and the Internet of Things (IoT), which are transforming production processes and creating new opportunities for a diverse workforce.

**Agribusiness:** The agribusiness sector has also seen a significant rise in female involvement. Women are moving beyond traditional roles to take on leadership, management and entrepreneurial positions. The growth of women-led start-ups and a focus on sustainable and organic farming highlight this shift. Support through training, funding and advocacy has been vital in this progress. Precision agriculture, which leverages data analytics, drones and sensors, has enhanced productivity and sustainability. This technological advancement has empowered women to play prominent roles in managing farms, leading agritech ventures and shaping agricultural policies.

In summary, the increasing presence of women in manufacturing and agribusiness is reshaping these industries, driven by technological advancements and a commitment to sustainability. This trend not only enhances innovation and efficiency but also promotes a more inclusive and equitable work environment. Overall, these sectors are becoming more inclusive and innovative, with women playing an increasingly vital role in shaping their future.

### Remote Partnership Initiative

The Global Chamber of Business Leaders (GCBL) can further support women in these fields by creating a Virtual Mentorship and Financing Networking Platform. This digital tool would provide:

- **Mentorship and Guidance:** Offering career advice, industry insights and practical support.
- **Access to Financing:** Helping women secure crucial funding and investment opportunities for career and business growth.

This approach harnesses digital tools to foster connections and advance women's roles in manufacturing and agribusiness, providing them with valuable resources, guidance and opportunities for professional growth. This approach fosters a more inclusive and dynamic industry landscape, benefitting both individuals and the sectors as a whole.

Saadia Lakehal is a Canadian business leader and the CEO of Emperia Industries Connect Inc., dedicated to promoting Canadian industries globally. She is a strong advocate for women in manufacturing and AgTech, founding the Global Women in Industry 4.0 and AgTech Summit. With experience in industrial networking, she has played a key role in driving innovation and sustainability in the manufacturing sector, while also championing female leadership and digital transformation.



Lithium Batteries:

# THE HIDDEN DANGERS OF LITHIUM BATTERIES: A GROWING SAFETY CONCERN

**INDUSTRY**  
*Challenges*

Global Times Magazine Editorial Team

Lithium batteries, found in everything from smartphones to electric vehicles, have become an essential part of modern life. However, recent incidents highlight a serious and often overlooked risk: once a lithium battery catches fire, it is nearly impossible to extinguish. This alarming reality has raised concerns about the safety of these widely used power sources.

A Lithium-ion battery is defined as a rechargeable battery that utilizes lithium ions moving between electrodes during charging and discharging processes.

## The **Tragic Incident** In Serbia

A recent tragedy in Serbia underscores the potential dangers of lithium batteries. Unofficial reports suggest that the battery of an electric scooter caught fire, resulting in the deaths of six people, including children. This incident has sparked widespread concern and renewed scrutiny of the safety protocols for devices and vehicles powered by lithium batteries. Experts are now urging greater caution to prevent further loss of life due to battery malfunctions.

## The **Ubiquity** Of Lithium Batteries

Lithium batteries are omnipresent in today's world, powering everything from smartphones to electric scooters, bicycles, and even cars.

However, the risks associated with these batteries are significant. Any damage, misuse, or malfunction in the battery or its charger can lead to a catastrophic fire.

One mechanical engineering expert pointed out that the accessibility of low-cost electric vehicles may contribute to the problem. "For relatively little money, you can buy these means of transport, which likely do not meet minimum safety standards. As a result, incidents like these are becoming more common," the expert warned.

## Quality Issues In Battery Manufacturing

The dangers of lithium batteries are not limited to consumer devices. A tragic incident in South Korea earlier this year revealed significant issues in the manufacturing process. A fire at a lithium battery factory claimed the lives of 23 workers. The subsequent investigation revealed that poor manufacturing quality was a key factor. The factory employed a large number of unskilled workers to meet production targets, leading to an increase in defective batteries. Despite these issues, production continued, ultimately leading to the fatal accident.



## The Challenge Of Extinguishing Lithium Battery Fires

One of the most concerning aspects of lithium battery fires is their resistance to traditional firefighting methods. A recent incident in one town in Croatia highlighted this challenge. "We tried to extinguish with water, foam, CO2 – nothing worked. Even after submerging the batteries in water and puncturing them, they continued to burn due to the oxidants within them," reported a local fire chief. The difficulty in extinguishing these fires adds another layer of danger, especially in confined spaces like underground garages or on ferries.

## Preventive Measures And Safety Recommendations

Given the risks, experts are urging all owners of devices and vehicles with lithium batteries to exercise greater caution. It is crucial not to leave these batteries or vehicles charging unattended. If a battery begins to smoke or makes unusual noises, it should be immediately disconnected from the power source and removed from any area where it could cause further damage.

## Emerging Restrictions And Future Considerations

The growing recognition of the dangers posed by lithium batteries is leading to new restrictions in certain areas. For example, in some parts of Greece and across Europe, electric vehicles with fully charged batteries are no longer allowed on ferries or in public garages. South Korea is also considering similar restrictions for underground parking facilities.

As lithium batteries continue to power more aspects of our daily lives, understanding and mitigating their risks will be essential to ensuring public safety. The tragic incidents and growing concerns serve as a stark reminder that while these batteries enable modern conveniences, they also carry significant hazards that must be carefully managed.

These batteries are commonly used in consumer electronics due to their high energy density and long cycle life.



TECHNOLOGY *gtm*  
Latest News

## ADVANCING SUSTAINABLE CONSTRUCTION IN COLOMBIA WITH 3D PRINTING

**T**he United Nations Development Program (UNDP) is set to enhance sustainable building efforts in Colombia by incorporating cutting-edge 3D printing technology from WASP (World's Advanced Saving Project). This initiative will utilize the Crane WASP, a large-format 3D printer that employs natural materials, such as agricultural waste and local soil, as alternatives to concrete.

This mobile, energy-efficient printer is ideal for challenging terrains and remote areas like deserts, making it a perfect fit for Colombia's diverse landscapes. UNDP sees this technology as a key solution to addressing the country's housing shortages, particularly in rural regions, including forests, deserts, and mountains.

The Crane WASP system is versatile, with each module capable of operating independently to print materials like cement, bio-cement, and natural dough. Its expandable design allows for a flexible and potentially limitless manufacturing process, offering significant potential for sustainable construction.

A Looming Crisis:

# THE FUTURE OF HEAT-RELATED DEATHS IN EUROPE

CLIMATE CHANGE  
—Challenges—

Global Times Magazine Editorial Team

As the world continues to grapple with the effects of climate change, recent research paints a grim picture for Europe, where heat-related deaths could triple by the end of the century. The starkest increases are expected in southern European countries such as Italy, Greece, and Spain. This projection, based on the latest findings reported by The Guardian, highlights the urgent need for robust public health interventions and climate action to mitigate the looming crisis.

Countries in south most at risk, with rise likely to outstrip fall in cold-related deaths if global heating hits 3C or 4C.

## The Changing Face Of **Climate-Related Mortality** In Europe

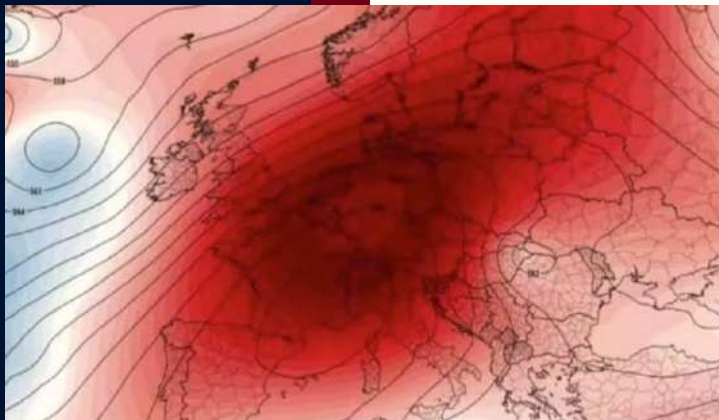
Traditionally, cold weather has been a greater killer in Europe than heat. This has led some to argue that climate change could have a silver lining by reducing cold-related deaths. However, a study published in the journal *Lancet Public Health* challenges this notion. The study reveals that while cold-related deaths may decline slightly, the number of heat-related fatalities is set to surge dramatically.

This is due to increasingly extreme weather conditions and the heightened vulnerability of certain populations, particularly the elderly, to rising temperatures.

The research underscores a critical point: if global warming continues unchecked and the planet experiences a catastrophic temperature rise of 3 degrees Celsius or more above pre-industrial levels, the increase in heat-related deaths will far exceed the reduction in deaths caused by cold weather. This shift in mortality patterns represents a significant threat to public health, particularly in regions that are already prone to high temperatures.

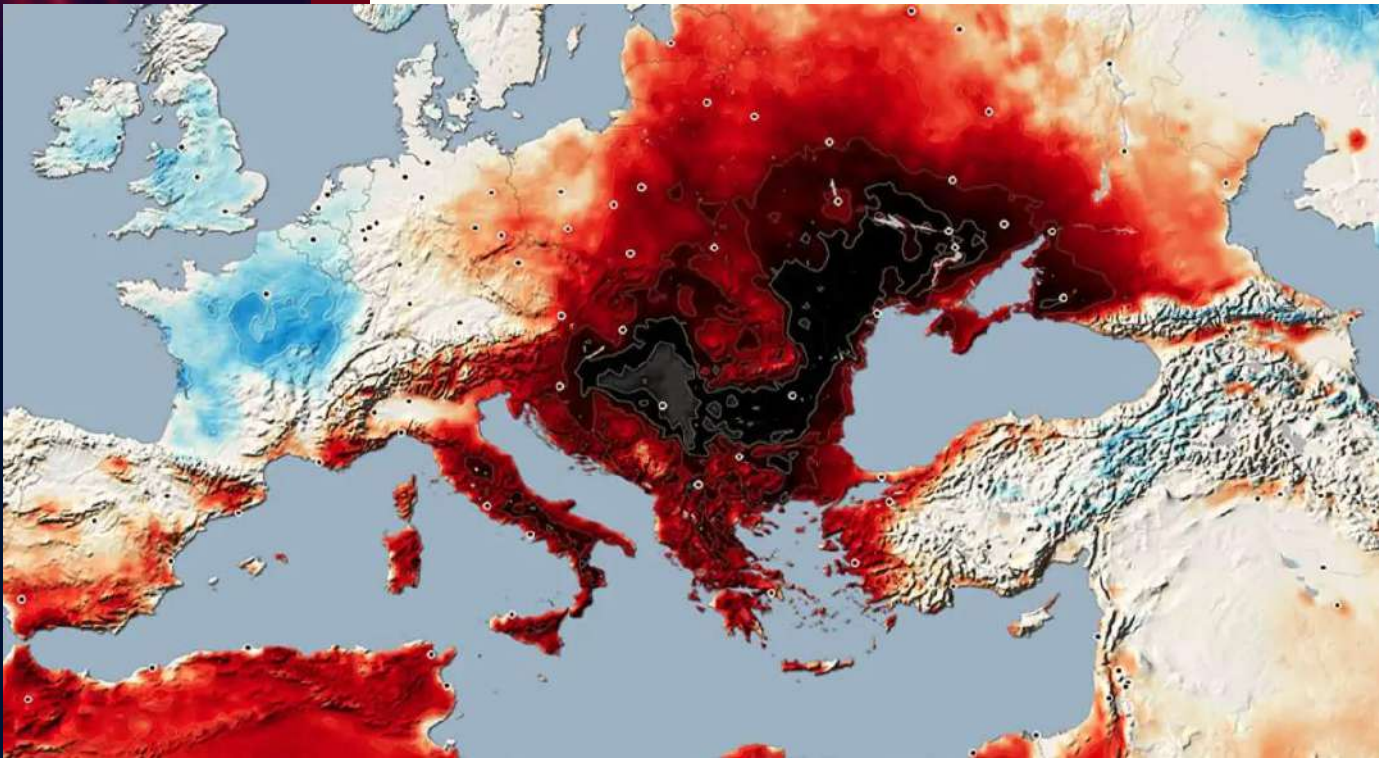
Heat:

## **A Growing Threat To Public Health**



The findings from the study suggest that climate change could present an "unprecedented challenge" to public health systems, especially during periods of extreme heat. As David García-León of the European Commission's Joint Research Center, a co-author of the study, points out, "Many more heat-related deaths are expected as the climate warms and the population ages, while cold-related deaths are only slightly decreasing." This statement encapsulates the dual pressures of rising temperatures and an aging population, both of which compound the risks associated with heatwaves.

The potential impact of these trends is staggering. If global temperatures rise by 3 degrees Celsius—a level many scientists consider indicative of climate collapse—the number of heat-related deaths in Europe could soar to 129,000 per year. This marks a significant increase from the current annual figure of 44,000. Even in a best-case scenario where global leaders succeed in limiting warming to 1.5 degrees Celsius, the combined number of deaths from heat and cold could still rise from 407,000 today to 450,000 by the end of the century.



### **The Disproportionate Impact on the Elderly**

One of the most concerning aspects of the projected increase in heat-related deaths is the disproportionate impact on older populations. The study predicts that in a scenario where the planet warms by 3 degrees Celsius, the additional 55,000 deaths that would result from heat would predominantly affect those aged 85 and above. This age group is particularly vulnerable to heat-related illnesses, such as heatstroke and dehydration, due to factors like pre-existing health conditions and reduced physiological resilience.

This vulnerability among the elderly underscores the need for targeted public health strategies. Governments and health organizations must prioritize the development and implementation of heatwave response plans that protect the most at-risk populations.

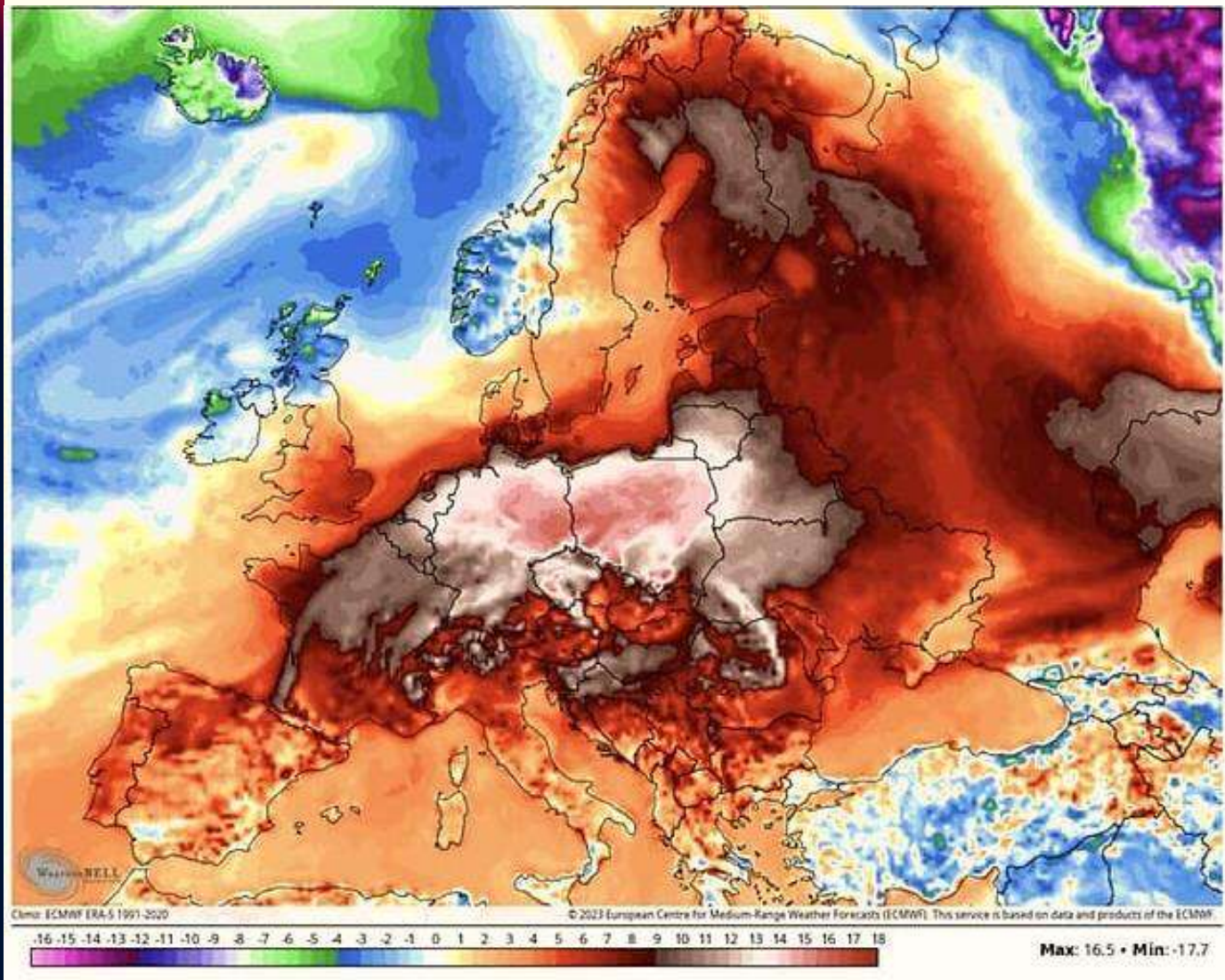
This could include measures such as establishing cooling centers, improving access to air conditioning, and launching public awareness campaigns about the dangers of extreme heat.

## A Call To Action

The findings of this study serve as a dire warning about the potential human cost of climate change. As temperatures continue to rise, Europe's public health systems will face unprecedented challenges in coping with the increase in heat-related deaths. This is especially true for southern European countries, which are already experiencing hotter summers and more frequent heatwaves.

To mitigate the worst effects of climate change, immediate and sustained action is required on multiple fronts. This includes not only reducing greenhouse gas emissions to limit global warming but also strengthening public health infrastructure to better protect vulnerable populations from the dangers of extreme heat.

The projected tripling of heat-related deaths in Europe by the end of the century is a sobering reminder of the urgent need for climate



action. Without significant efforts to address both the causes and consequences of global warming, the human toll could be catastrophic. As the research indicates, the stakes are high, and the time to act is now.



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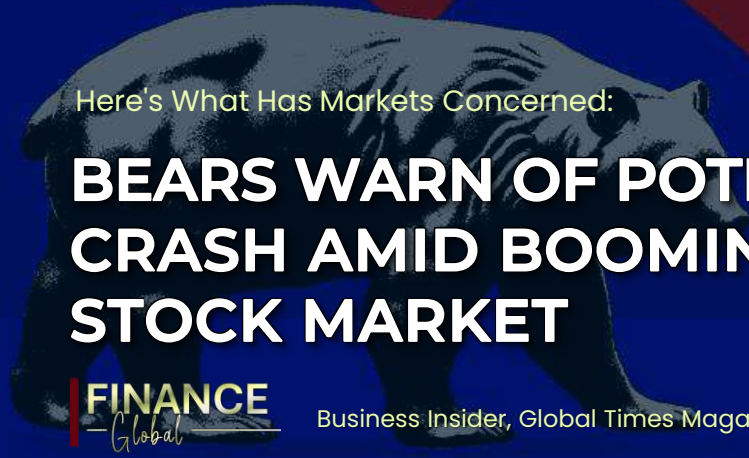
## OZMO: THE WORLD'S FIRST ROBOTIC WINDOW CLEANER REVOLUTIONIZES NYC SKYSCRAPERS

**N**ew York City is now home to the world's first robotic window cleaner, Ozmo, designed to service the 45-story building at 1133 Avenue of the Americas in Bryant Park. This groundbreaking robot was developed by Skyline Robotics in collaboration with The Durst Organization and Palladium Window Solutions.

Ozmo employs advanced technology, including artificial intelligence, machine learning, computer vision, and sensors, to clean windows with exceptional precision. Equipped with LiDAR, it scans building surfaces to memorize every detail for accurate navigation, while force sensors ensure the correct pressure is applied to protect glass surfaces.

This innovation is set to revolutionize the \$40 billion window-cleaning industry by addressing labor shortages and improving worker safety through full automation. Ozmo's sophisticated technology enables it to make real-time decisions and remain stable even in high winds. Safety is a top priority, with remote control capabilities that allow for immediate shutdown, ensuring reliable and secure operation.





Here's What Has Markets Concerned:

# BEARS WARN OF POTENTIAL CRASH AMID BOOMING STOCK MARKET

**FINANCE**  
— Global —

Business Insider, Global Times Magazine Editorial Team



Reports of concern over the US consumer are greatly exaggerated

**B**earish strategists are sounding the alarm about a potential stock market crash as the economy shows signs of cooling down.

While the stock market doesn't seem to care about these predictions as the S&P 500 is less than 1% away from hitting record highs, there's still plenty to be worried about, according to Wall Street's biggest bears.

Reliable recession indicators like the Sahn Rule have flashed recently, the job market is seeing growth decelerate, and any interest rate cuts from the

Federal Reserve may not be enough to prevent a downturn, downbeat forecasters say. From a possible recession to a 70% decline in the stock market, here's a roundup of the most recent bearish forecasts coming from Wall Street.

## Mark Mobius:

### Economic warning sign flashes for first time in over 90 years

Billionaire investor, Mark Mobius, told CNBC this week that the decline in M2 money supply since it peaked in 2022 represents the largest drawdown in the total money supply in nearly a century.

"The main concern is that if the M2 money supply has declined since April 2022 and hasn't kept pace with economic growth, there could be less capital available for the discretionary spending that has driven the current economic expansion and bull market on Wall Street," Mobius said. Mobius recommends investors hold 20% in cash to be ready to buy a potential decline in stock prices, and

"Look for companies with little or no debt, moderate earnings growth, and high return on capital, and get ready to re-enter the market," Mobius said.

**Steve Hanke:  
A recession is likely in early 2025**

Economist Steve Hanke warned this week that in addition to the contraction in M2 Money Supply highlighted by Mobius, other signs suggest a recession will arrive in early 2025.

"We will enter a recession either late this year or early next year in the United States, and that's why we think the inflation numbers will keep coming down," Hanke predicted in an

**"We will enter a recession either late this year or early next year in the United States".**



interview with the wealth advisory firm Wealthion.

Those micro-level indicators include the steady rise in the unemployment rate to 4.3%, representing the highest level since the pandemic, an ongoing slowdown in retail sales, and sluggish activity in the housing market and manufacturing activity.

"If you look at the microdata, it's kind of consistent with this macro monetary picture that I just gave you of slowing down, going into recession, inflation continuing to come down. That picture is, if you look micro, individual companies or sectors of the economy... the sectors look like a slowdown is in the wind," Hanke said.

**Jon Wolfenbarger:  
A recession could send stocks plunging 70%**

Investors could experience a 70% decline in the stock market if a painful recession hits the economy at a time when valuations are elevated, according to Jon Wolfenbarger, founder of BullAndBearProfits.com.

In a recent note, Wolfenbarger highlighted that it's not just an inverted yield curve and flashing of the Sahn Rule that suggests a recession is imminent.

**Steve Hanke**, Economist

There are other under-the-radar signals that suggest the jobs market is cooling in a way that is consistent with economic downturns, according to Wolfenbarger.

That includes the year-over-year rate of change in employment growth dropping to 0%. In the past, a negative reading in the year-over-year change in employment growth has signaled a recession, according to Wolfenbarger.

Another job market concern is the ongoing decline in average weekly hours worked, which sits at around 34.2. Any further decline in this indicator would flash a signal not seen since 2008 and 2020, two years when a painful recession hit the US economy.

Finally, a steady decline in manufacturing employment, based on the ISM Index, suggests the unemployment rate could have more room to run, according to Wolfenbarger.

Considering elevated stock market valuations, these factors suggest to Wolfenbarger that the S&P 500 could ultimately fall as much as 70% from current levels.

***“It's not just an inverted yield curve and flashing of the Sahn Rule that suggests a recession is imminent.”***



**Jon Wolfenbarger,**  
Founder of BullAndBearProfits.com

### **The Counterpoint:**

#### **A bullish take to balance out the doomsayers**

While the job market shows signs of slowing, not everyone on Wall Street is concerned about a potential recession or stock market crash.

Goldman Sachs called recession fears "overblown" in a recent note, highlighting that US consumers remain strong and corporate earnings growth continues to deliver.

"Reports of concern over the US consumer are greatly exaggerated," Goldman's Jan Hatzius said. "Our quantitative measure of sentiment around the consumer on earnings calls improved sequentially, sales growth at consumer-facing companies slowed but remains healthy, and real income growth appears solidly positive across all income groups."

And it doesn't hurt that the Federal Reserve is shifting to a more dovish stance, with imminent interest rate cuts looking likely.

The bank also said that trillions of dollars of cash on the sidelines could flood the stock market and push the

S&P 500 7% higher to 6,000 once investors know the winner of the Presidential election in November. "SPX \$6K - new highs in Q4, led by November and December months," Goldman Sachs said.

In summary, while bearish experts warn of a potential recession and significant market declines, others like Goldman Sachs remain optimistic, citing strong consumer resilience and supportive Federal Reserve policies. The outlook for the stock market is uncertain, with risks and opportunities both in play.



Viktoria Natural Cosmetics is a European brand renowned for its high-quality natural skincare and beauty products. With a diverse range that includes facial creams, body lotions, serums, soaps, and more, each product is crafted from natural and organic ingredients, free from harmful chemicals.

## Milk line

Committed to sustainability, Viktoria Natural Cosmetics uses recyclable packaging and sustainably sourced ingredients. Their gentle formulations cater to all skin types, including sensitive skin, ensuring a holistic approach to skincare that promotes overall well-being.

Transparency is key for Viktoria Natural Cosmetics, with a focus on clear ingredient sourcing and manufacturing processes, allowing customers to feel confident in what they are applying to their skin. Experience the purity and effectiveness of nature with Viktoria Natural Cosmetics.



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TECHNOLOGY *gtm*  
Latest News

## TIANMUSHAN NO. 1: THE WORLD'S FIRST HYDROGEN-POWERED DRONE WITH 100-KILOMETER RANGE

**T**he "Tianmushan No. 1," the world's first hydrogen-powered multi-rotor drone with a 100-kilometer (62-mile) range, has successfully completed its debut flight in Hangzhou, Zhejiang Province, China. This groundbreaking drone features a hydrogen fuel cell power system, a lightweight carbon fiber body, and advanced carbon fiber hydrogen storage, making it a leader in drone technology.

With a maximum endurance of over 4 hours, Tianmushan No. 1 offers ultra-long flight times, cold-weather adaptability, and zero-carbon emissions. Weighing 19 kg, it can carry up to 6 kg and boasts industry-leading capabilities, including autonomous takeoff and landing, as well as beyond-visual-range operation.

Designed for long-distance missions, especially in harsh conditions, the drone has already proven its effectiveness in several tests. It successfully flew in temperatures as low as minus 40 degrees Celsius in Inner Mongolia and conducted a 50-kilometer natural gas pipeline inspection in Shaanxi.

Currently, Tianmushan No. 1 is being deployed in various industries, including oil and gas exploration, powerline inspection, emergency rescue, forest protection, and hydrological monitoring.



## Critical Aspects Of Optical Health:

# WHERE MODERN MEDICINE FAILS AND AYURVEDA OFFERS A FUTURE SOLUTION

Prasanta Das, Internationally Renowned Ayurveda Specialist

In today's fast-paced world, optical health challenges are on the rise. Conditions like glaucoma, macular degeneration, and dry eye syndrome are becoming more prevalent, placing a significant burden on healthcare systems worldwide. While modern medicine has made significant advances in treating these conditions, it often falls short in providing holistic, long-term solutions. This is where Ayurveda, an ancient system of natural healing, has the potential to transform optical health, offering a complementary and often superior approach.

### The Gaps in Modern Medicine for Optical Health

Modern medicine primarily focuses on symptomatic relief and surgical interventions for severe cases of eye diseases. While effective in acute care, these treatments often neglect the root causes and the overall well-being of the patient. For instance:

- **Glaucoma Management:** The treatment of glaucoma in modern medicine revolves around lowering intraocular pressure (IOP) through eye drops, oral medications, laser therapy, or surgery. These methods, while effective, often have side effects such as dryness, irritation, or complications post-surgery. Moreover, they do not address the progression of the disease comprehensively, as glaucoma is a chronic, degenerative condition that requires lifelong management.
- **Macular Degeneration:** While anti-VEGF injections can slow the progression of wet age-related macular degeneration, they do not reverse the condition or restore vision. Patients are left managing the condition with frequent injections and lifestyle adjustments, without a curative option in sight.
- **Dry Eye Syndrome:** Lubricating eye drops and anti-inflammatory medications provide relief, but they only address the symptoms and not the underlying causes of this increasingly common problem.

### The Ayurveda Approach to Optical Health

Ayurveda offers a holistic solution by addressing not only the symptoms but also the root causes of diseases, focusing on the body's natural balance (doshas) and emphasizing prevention and overall well-being. In the realm of optical health, Ayurveda brings forward time-tested therapies that strengthen the eyes, improve vision, and address chronic conditions like glaucoma, macular degeneration, and more.

### Key Ayurvedic Practices for Optical Health:

1. **Netra Tarpana (Eye Rejuvenation Therapy):** This treatment involves placing medicated ghee (clarified butter) around the eyes, helping to nourish and rejuvenate the optic nerves. It has been shown to improve vision, alleviate eye strain, and manage conditions like dry eye syndrome and early stages of glaucoma.
2. **Herbal Remedies:** Ayurvedic herbs like Triphala, Amalaki (Indian gooseberry), and Shatavari are renowned for their ability to improve vision and overall eye health. These herbs are rich in antioxidants and have anti-inflammatory properties, making them effective in managing degenerative eye diseases.

With three decades in the pharmaceutical industry, the author is a leader in integrative health solutions. As the Founder of VEDAVISION, they aim to enhance patient care by merging Ayurvedic practices with modern medicine. Their commitment to improving patient quality of life and innovative approach has significantly impacted integrative therapy, promoting holistic treatment in global healthcare.



**3. Ayurvedic Diet and Lifestyle:** Ayurveda emphasizes the importance of a balanced diet and lifestyle in maintaining optimal eye health. A diet rich in leafy greens, carrots, ghee, and other eye-nourishing foods is recommended. Furthermore, practices like regular eye exercises, yoga, and meditation help improve blood circulation to the eyes and reduce stress, which is a significant contributor to degenerative eye conditions.

### Shreedhareeyam's Success In Treating Glaucoma: A Case Study



One of the most compelling examples of Ayurveda's success in optical health is the work done by Shreedhareeyam Ayurvedic Eye Hospital, which has successfully treated numerous cases of glaucoma. Unlike conventional treatments, which focus solely on controlling intraocular pressure, Shreedhareeyam's approach involves a combination of therapies that work on multiple levels.

In a documented case study, a patient diagnosed with advanced glaucoma experienced significant improvement after undergoing Ayurvedic treatment at Shreedhareeyam. The patient received a personalized treatment plan, including Netra Tarpana, herbal eye drops, and oral medications made from Ayurvedic herbs.

After six months of continuous treatment, the patient's intraocular pressure normalized, and their visual field loss was stabilized. Not only was the progression of the disease halted, but the patient also reported an overall improvement in eye health, without any of the side effects typically associated with modern glaucoma treatments.

### Why Business Leaders Should See This As An Opportunity

As the global burden of eye diseases grows, healthcare systems are increasingly seeking alternative and complementary solutions to modern treatments. Ayurveda,

with its focus on holistic health and prevention, presents a unique business opportunity for visionary leaders.

**1. Integrative Healthcare Models:** Hospitals and eye care centers that integrate Ayurveda with modern medicine can offer patients a more comprehensive and effective treatment plan. This can differentiate them in the competitive healthcare market while addressing the growing demand for natural and holistic treatments.

**2. Cost-Effective Solutions:** Ayurvedic treatments are often more affordable than modern surgical interventions and medications. By offering these treatments, businesses can reduce healthcare costs while providing patients with long-lasting benefits.

**3. Patient Satisfaction and Retention:** With Ayurveda's focus on personalized care and overall well-being, patients are likely to experience greater satisfaction and improved outcomes, leading to better retention rates for healthcare providers.

**4. Global Expansion:** Ayurveda's growing popularity in Western countries provides an opportunity for business leaders to invest in Ayurvedic eye care centers and products, tapping into new markets that are eager for alternative healthcare solutions.

The future of optical health lies in a more integrative approach that combines the strengths of modern medicine with the holistic wisdom of Ayurveda. By addressing the root causes of eye diseases and promoting overall well-being, Ayurveda offers a pathway to more effective, long-lasting solutions. Business leaders who recognize this potential can not only drive innovation in healthcare but also unlock new avenues for growth and success.

The success stories from institutions like Shreedhareeyam serve as powerful examples of what can be achieved when we embrace Ayurveda as a core component of optical health management. Now is the time to invest in this future solution and transform the way we approach eye care.





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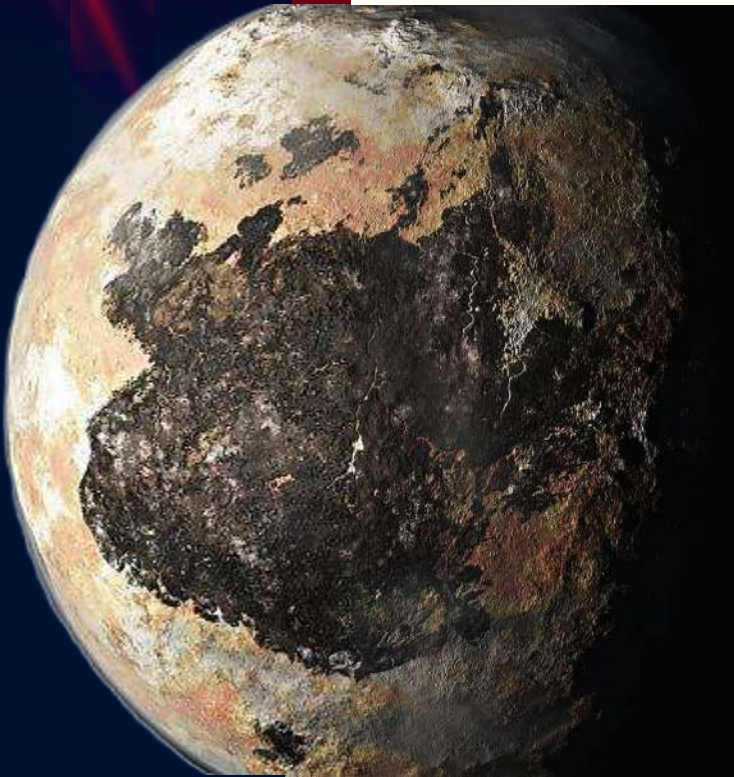


From Planet To Dwarf Planet:

# RECLASSIFICATION BRINGS A NEW CHAPTER IN SOLAR SYSTEM HISTORY

**PLANET**  
— *In Crisis* —

Global Times Magazine Editorial Team



For much of the 20th century, Pluto was celebrated as the ninth planet in our solar system. Discovered in 1930, Pluto's status as a planet seemed secure. However, on 24 August 2006, the International Astronomical Union (IAU) made a landmark decision that would redefine our understanding of the solar system. On that day, Pluto was officially reclassified as a dwarf planet, reducing the number of recognized planets in our solar system to eight.

Pluto was officially reclassified as a dwarf planet

## The Search For **Planet X**

The discovery of Pluto can be traced back to the early 20th century when astronomers were searching for a mysterious "Planet X." The idea of this unknown planet was first proposed by Percival Lowell, an American astronomer who believed that irregularities in the orbits of Uranus and Neptune were caused by the gravitational pull of a ninth planet. Although Lowell never found this elusive planet, his calculations set the stage for its eventual discovery.

In 1930, at the Lowell Observatory in Arizona, a young astronomer named Clyde Tombaugh took up the search. After meticulously scanning the night sky for over a year, Tombaugh finally identified a distant celestial body that matched the predictions for Planet X.

This object would later be named Pluto.

The name "Pluto" was suggested by Venetia Burney, an 11-year-old girl from England. Fascinated by mythology, she proposed naming the newly discovered object after the Roman god of the underworld. The suggestion was well-received, partly because the first two letters of "Pluto" honored Percival Lowell, whose initials were "P.L." The name was quickly adopted, and Pluto was officially recognized as the ninth planet in our solar system, despite being smaller than Earth's Moon, with a diameter of just 2,377 kilometers.

## A Symbol of the Solar System's Mysteries

For decades, Pluto held a special place in the pantheon of planets. Its distant, icy world represented the unexplored frontiers of our solar system, a symbol of the mysteries that lay beyond Neptune. However, as our understanding of the cosmos expanded, so too did the debate over Pluto's true nature.



## The Controversy Over Pluto's Status

In the early 21st century, astronomers began discovering numerous objects in the Kuiper Belt, a region of the solar system beyond Neptune that is populated with small icy bodies. Some of these objects were found to be even larger than Pluto, raising questions about whether Pluto should still be considered a planet.

The debate over Pluto's status reached a climax in August 2006, during a meeting of the International Astronomical Union in Prague. The IAU introduced a new definition of what constitutes a planet: a celestial body must orbit the Sun, be spherical in shape due to its own gravity, and have cleared its orbit of other debris.

Pluto met the first two criteria but failed the third, as it shares its orbital space with other objects in the Kuiper Belt. As a result, the IAU reclassified Pluto as a "dwarf planet," a category that also includes other large Kuiper Belt objects.

## A New Understanding of Our Solar System

The decision to reclassify Pluto was met with mixed reactions. Some mourned the loss of a familiar planet, while others saw it as a necessary step toward a more accurate understanding of our solar system. Regardless of personal sentiments, the reclassification

of Pluto marked a significant shift in our astronomical knowledge.

Since 24 August 2006, the solar system officially has eight planets. Pluto, once the ninth planet, is now the most famous dwarf planet, still captivating scientists and the public as we explore the cosmos.



## WASHINGTON STATE UNIVERSITY RESEARCHERS UNVEIL AI-ENHANCED 3D PRINTING FOR NEXT-GEN MEDICAL AND WEARABLE TECHNOLOGY

**R**esearchers at Washington State University have created an advanced AI algorithm that significantly improves the capabilities of 3D printing. This groundbreaking technology has the potential to revolutionize the production of artificial organs, flexible electronics, and wearable devices.

The AI-driven method leverages Bayesian Optimization to achieve precise and complex printing, enabling the creation of lifelike organ models that could transform the fields of surgical training and implant testing. By fine-tuning critical factors such as precision, density, and printing speed, the technology produces exceptionally refined models.

To validate the algorithm, the researchers printed various human organ models, including kidneys and prostates. Remarkably, the AI managed to produce 60 consecutive models, each surpassing the previous in quality, showcasing its ability to continually enhance the printing process.

Vehicles Proven To Surpass 400,000 Kilometers With Ease:

# BUILT TO GO THAT DISTANCE: THE CAR BRANDS THE DEFY KILOMETERS EXPECTATIONS

**AUTOMOTIVE**  
Industry

Global Times Magazine Editorial Team

Many drivers believe that a vehicle's lifespan ends around 170,000 kilometers, but some cars prove that this simply isn't true. If you're curious about whether your car can go the distance, a recent study by the online platform iSeeCars has shed light on the most reliable car brands—those whose models can easily surpass 400,000 kilometers.

Toyota reliability ranks among the highest among automotive brands. The average lifespan for a Toyota vehicle is 200,000-250,000 kilometers. With proper care and maintenance, some Toyota models can last as long as 500,000 kilometers.

## Breaking The 160,000-Kilometer Myth

A common misconception among drivers is that a car's life is over once it hits around 160,900 kilometers, leading to a future filled with mechanical issues and frequent trips to the shop. However, this assumption doesn't hold true for several car brands that, with regular maintenance, can continue running smoothly well beyond this milestone.

According to iSeeCars, which analyzed data from an astounding 402 million vehicles, certain brands consistently achieve impressive longevity. Their findings, reported by Forbes, reveal that some cars can reach at least 200,000 miles (approximately 321,000 kilometers) without major repairs—and many even hit 400,000 kilometers.



## The Brands With The Longest Lifespans

The report focused on 30 car brands with the greatest likelihood of surpassing 400,000 kilometers in the United States. It's worth noting that while the average vehicle only has an 8.6% chance of reaching this milestone, the top-performing brands significantly exceed this percentage.

Toyota leads the pack, with a remarkable 17% of its vehicles expected to exceed 400,000 kilometers. Honda follows closely with 13.6%, and RAM comes in third at 11.5%. The analysis also highlights that rugged,

off-road vehicles are particularly durable. GMC ranks fourth with 11.4%, trailed by Chevrolet at 10.5%, Lexus at 9.7%, and Ford at 9.5%.

Among individual models, Toyota stands out, dominating the list with its top-performing vehicles. The Toyota Tundra is the most durable, boasting a 36.6% chance of exceeding 400,000 kilometers. The Toyota Sequoia is four times more likely than the average vehicle to reach this distance, and models like the Toyota Tacoma, 4Runner, Highlander Hybrid, and Honda Ridgeline are three times more likely to achieve this milestone.

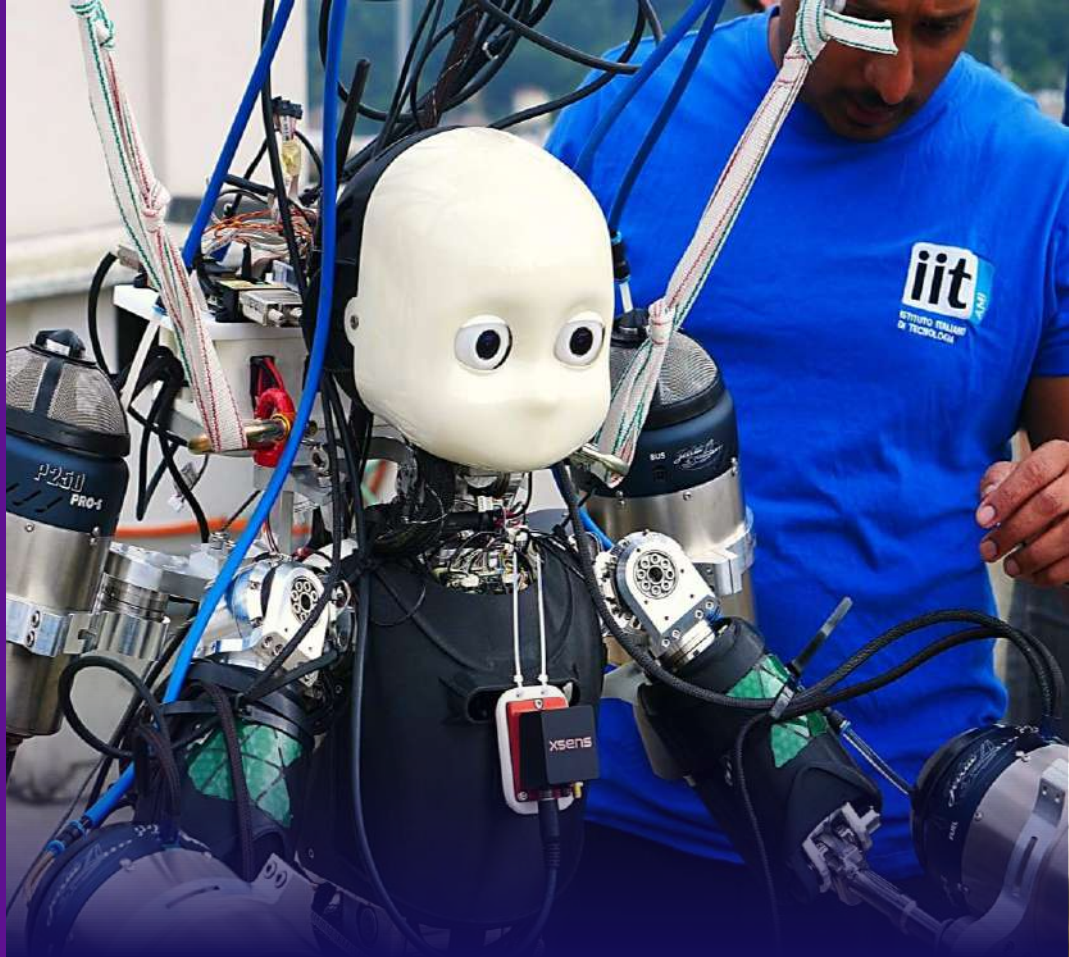


## Conclusion

If you own a vehicle from one of these brands, you can take comfort in knowing that, with proper care, your car is built to last well beyond what most drivers expect. These findings not only highlight the durability of certain brands but also challenge the notion that cars have a limited lifespan. With these brands, the road ahead is much longer than you might think.

Article **END**





TECHNOLOGY *gtm*  
Latest News

## IRONCUB3: ITALY'S JET-POWERED HUMANOID ROBOT POISED FOR DISASTER RELIEF

**T**he iRonCub3, a jet-powered humanoid robot developed by the Italian Institute of Technology, represents a significant leap forward in robotics. Weighing 154 pounds (70 kg), the robot is powered by four jet engines that generate over 1000N of thrust, with exhaust temperatures surpassing 600°C.

Researchers envision the iRonCub3 playing a crucial role in disaster relief, an area where humanoid robots have yet to make a significant impact. This latest version of the iRonCub3 comes with major upgrades, including new force-torque sensors, enhanced electronics, and advanced control systems.

Currently undergoing tests in a specially designed flight area, the iRonCub3 has yet to achieve lift-off, but the development team is optimistic about its imminent hover capabilities. Early wind tunnel tests have confirmed the accuracy of aero simulations, while the flight control algorithms and trajectory planner have been successfully simulated. The team is now focused on achieving precise position and orientation tracking with onboard sensors.



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Leadership For Success:

# LEADERS GUIDING TEAMS TO SOAR BEYOND LIMITS

**BUSINESS**  
Leaders

Global Times Magazine Editorial Team



By fostering a sense of purpose, visionary leaders create a collective drive toward success.

In the dynamic landscape of leadership, a special breed of visionaries emerges — those who don't merely set goals but embark on a quest to touch the skies. These leaders are the architects of aspiration, crafting a narrative of boundless possibilities that propels their teams to achieve feats that seem beyond reach. In this exploration, we dive into the realm of leaders who dream big, set audacious goals, and inspire their teams to scale new heights.

**Beyond The Horizon:**

## Leaders Crafting Visionary Goals

Exceptional leaders are not just navigators; they are Dreamweaver, sketching visions that transcend the ordinary. They defy the gravitational pull of the status quo and set goals that stretch the limits of what's deemed achievable.

Audacity becomes their compass, guiding teams to reach for the extraordinary and instilling in them a sense of purpose that transcends the mundane.

**The Ripple Of Inspiration:**

## Fostering Motivation and Collaboration

High-reaching goals are not just benchmarks; they act as catalysts for motivation, innovation, and collective determination. Visionary leaders understand that challenges, when met with enthusiasm, create ripples of inspiration. A seemingly insurmountable goal sparks





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a fire within each team member, fostering collaboration and a shared commitment to surpassing expectations.

### A Growth Mindset Oasis:

## Turning Challenges Into Blooms Of Opportunity

Leaders who set lofty goals cultivate an environment where challenges are not stumbling blocks but stepping stones for growth. By nurturing a culture of continuous improvement, these leaders empower teams to view challenges as opportunities for learning and evolution. The pursuit of audacious goals becomes a journey of self-discovery and resilience.

### Building Cathedrals:

## Unifying Teams With A Shared Vision

High goals are not just targets; they are the cornerstone of a shared vision that unites a team. Visionary leaders articulate a narrative that extends beyond immediate tasks, illustrating how each team member's contribution shapes a collective masterpiece. The pursuit of

a grand goal transforms a team into a cohesive unit, bound by a common purpose that goes beyond individual roles.

### Milestones as Masterpieces:

## Celebrating Achievements Along The Journey

Leaders setting ambitious goals recognize the importance of celebrating milestones. Whether large or small, acknowledging achievements fuels team motivation and reinforces the belief that the ultimate goal is within reach. The journey becomes a tapestry of victories, each thread woven with dedication and perseverance.

### Conclusion:

In leadership, setting high goals is not a display of arrogance but a testament to the untapped potential within individuals and teams. Leaders who dream big, challenge limits, and inspire teams to reach for the extraordinary are the catalysts of transformation. They don't just steer; they cultivate a culture of innovation, resilience, and shared purpose.

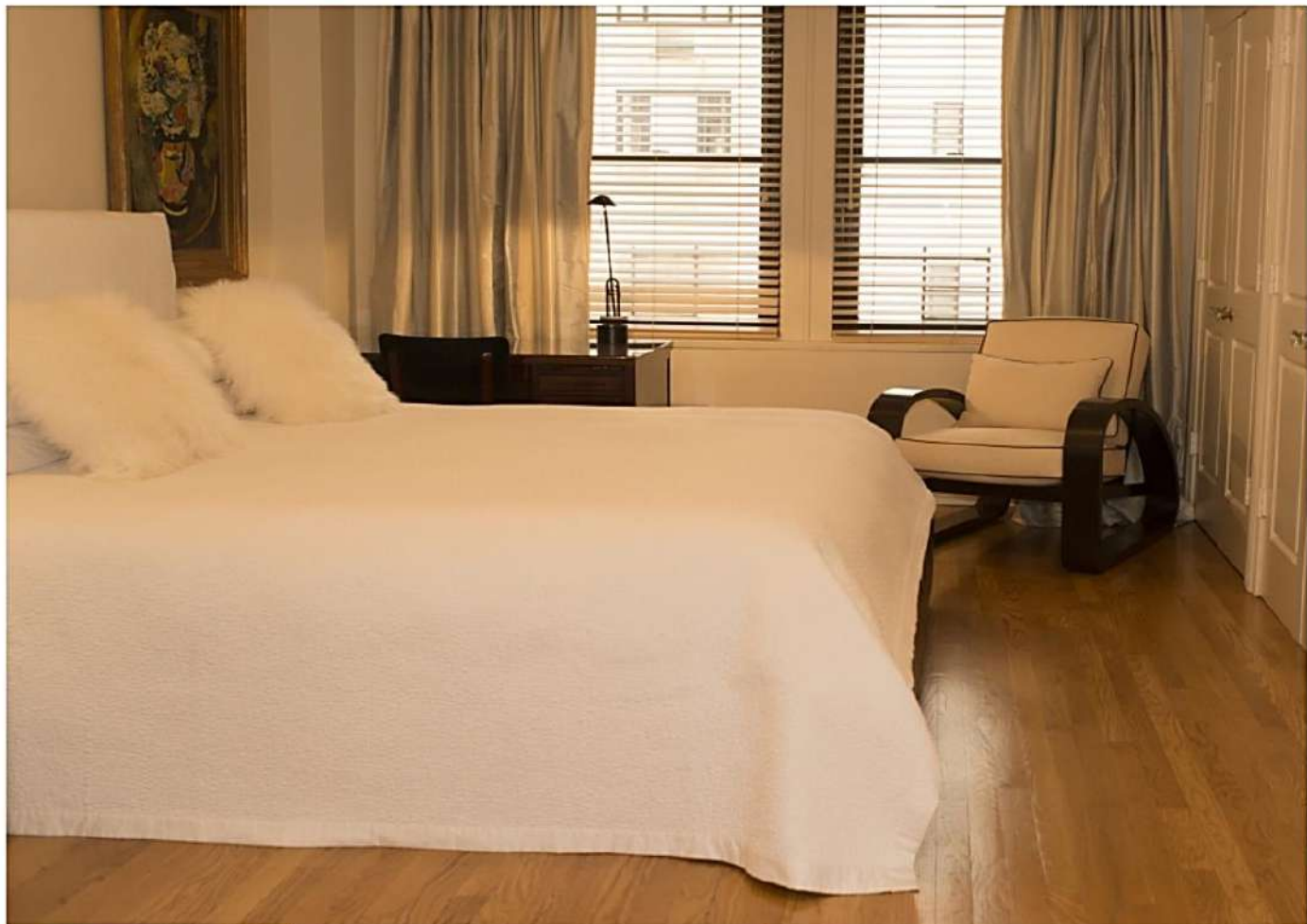
As we celebrate these leaders, let their stories inspire us to dream beyond horizons, set audacious goals, and embark on journeys that redefine the limits of possibility. For it is in the pursuit of the extraordinary that teams discover their true capabilities, and leaders pave the way for a future beyond imagination.



By creating a culture of collaboration and accountability, leaders can enhance team productivity and achieve collective goals.







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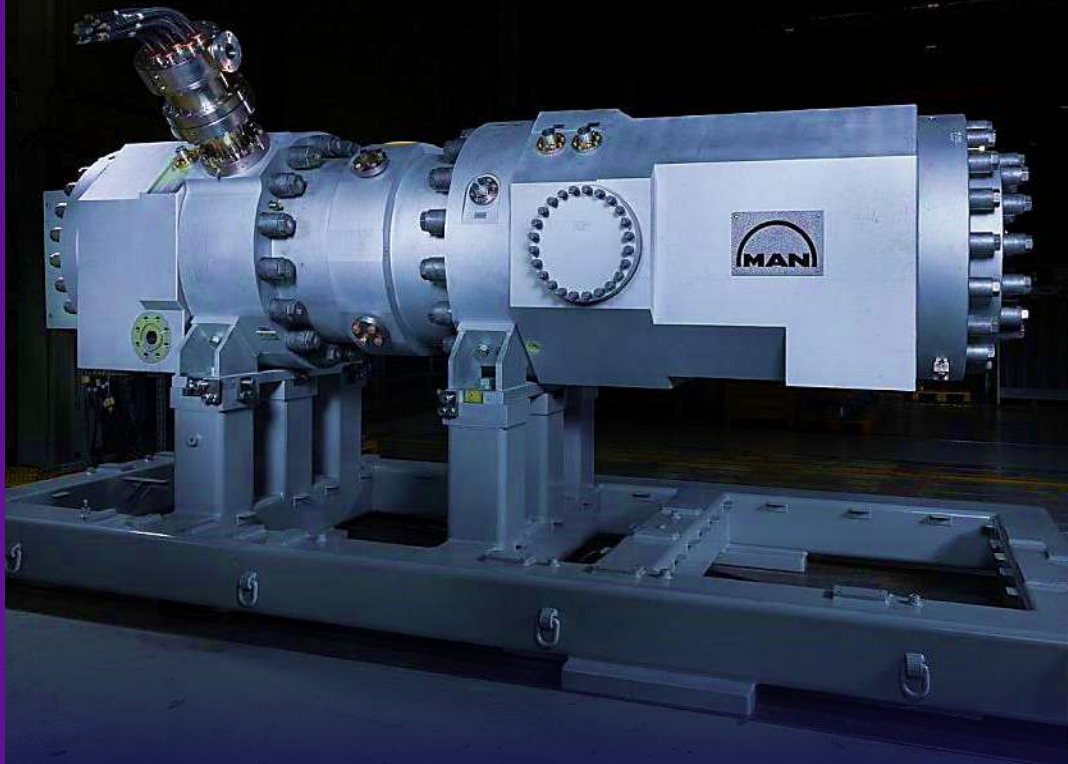
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TECHNOLOGY *gtm*  
Latest News

## HELSINKI TO LAUNCH THE WORLD'S LARGEST RENEWABLE-POWERED HEAT PUMP FOR WINTER HEATING AND EMISSION REDUCTION

**H**elsinki, the capital of Finland, is building the world's largest heat pump to provide winter heating for up to 30,000 homes while significantly reducing carbon emissions. This innovative system is capable of operating in extreme temperatures as low as  $-20^{\circ}\text{C}$  and will be powered entirely by renewable energy.

The air-to-water heat pump, supplied by the German company MAN Energy Solutions, will work in conjunction with two 50MW electric boilers to heat homes across Helsinki. This setup is expected to lower CO<sub>2</sub> emissions by approximately 26,000 tonnes each year.

A key feature of the heat pump is its use of CO<sub>2</sub> as a refrigerant, which is a more environmentally friendly option in the event of a leak. Scheduled to be operational by the 2026-2027 heating season, this project will not only contribute to greener heating solutions but also help maintain price stability for consumers, thanks to its easily adjustable production capabilities.

Mobile Phones:

# BEWARE: CYBER SECURITY EXPERTS WARN AGAINST THESE RISKY MOBILE APPS

**TECHNOLOGY**  
The Century

Global Times Magazine Editorial Team

In today's digital era, smartphones have become indispensable tools, offering a plethora of applications catering to various needs. However, amidst the abundance of options, concerns regarding privacy, security, and efficient usage of time have surfaced.

Cyber security experts have recently identified 21 mobile apps for smartphones that pose significant risks to users and advise immediate deletion to safeguard personal data and device integrity.

According to reports from Malware Fox, these apps have garnered the dubious distinction of being the worst-rated for Android devices over the past year.

While many of these applications are available on the Google Play store, experts caution against their installation due to potential security vulnerabilities.

Among the flagged apps are seemingly innocuous ones like emoticons, photo editing tools, and messaging platforms.

However, a closer look reveals red flags such as suspiciously positive reviews or an overwhelming number of negative feedback, indicating potential risks associated with their usage.



## The identified apps include:

1. Fare Gamehub and Box
2. Hope Camera - Picture Record
3. Same Launcher and Live Wallpaper
4. Amazing Wallpaper
5. Cool Emoji Editor and Sticker



6. Simple Note Scanner
7. Universal PDF Scanner
8. Beauty Slimming Photo Editor
9. Instant Heart Rate Anytime
10. Blood Pressure Checker
11. Creative 3D Launcher
12. Wow Beauty Camera
13. Gif Emoji Keyboard
14. Private Messenger
15. Cool Keyboard
16. Premium SMS
17. Color Message
18. Star Video Editor
19. Delicate Messenger
20. Paint Art
21. GIF Camera Editor Pro



To mitigate risks, experts urge users to conduct regular audits of applications on their devices, promptly deleting those deemed suspicious or unnecessary. It's recommended to download apps only from reputable sources and to exercise caution by researching thoroughly before installation.

In light of these revelations, users are encouraged to prioritize their digital security by remaining vigilant and proactive in safeguarding their devices against potential threats posed by unscrupulous mobile applications.

Article **END**





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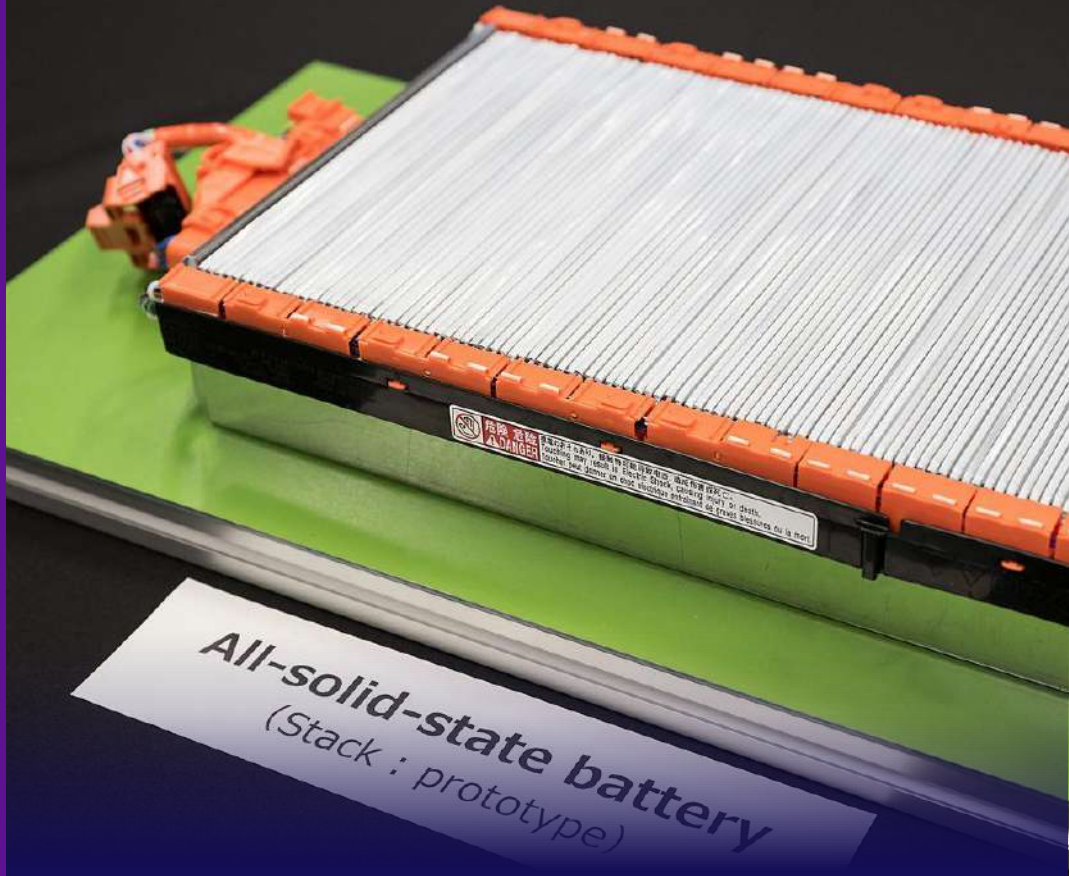


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TECHNOLOGY *gtm*  
Latest News

## TOYOTA TO LAUNCH PRODUCTION OF NEXT-GENERATION BEVs IN 2026

**T**oyota has revealed plans to begin production of its next-generation battery electric vehicles (BEVs) in 2026, signaling a major advancement in the company's electric vehicle strategy. Announced during the launch of Toyota's new BEV factory, these upcoming vehicles will be powered by a range of advanced batteries, each designed to meet the diverse needs of a growing customer base.

The next-generation BEVs will offer significant improvements in range, charging speed, and overall performance, making electric vehicles more accessible and appealing to a wider audience. In addition to their cutting-edge battery technology, these vehicles will be built and designed using innovative processes that reflect Toyota's commitment to sustainability and efficiency.

This move represents a critical milestone in Toyota's journey toward a greener future, as the company continues to lead the way in developing environmentally friendly transportation solutions. With this new generation of BEVs, Toyota is poised to set new standards in the electric vehicle market, offering customers enhanced driving experiences and greater choices in the rapidly evolving world of electric mobility.





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# GLOBAL TIMES MAGAZINE



*Nineteenth Edition*

## Last But Not Least:

This esteemed Global Times Magazine edition was crafted with passion by the dedicated team at the Global Chamber of Business Leaders, tailored especially for you. Don't miss the chance to share this issue and stay updated by subscribing to our website, where you can find and access all previous editions of this exceptional publication.

Wishing you the very best until next month, and here's our **inspirational quote** from this month's edition of the one and only Global Times Magazine.

## TOP 28 SPOTLIGHT

Best Quotes of the Month

“What lies behind us and what lies before us are tiny matters compared to what lies within us”.

— Ralph Waldo Emerson

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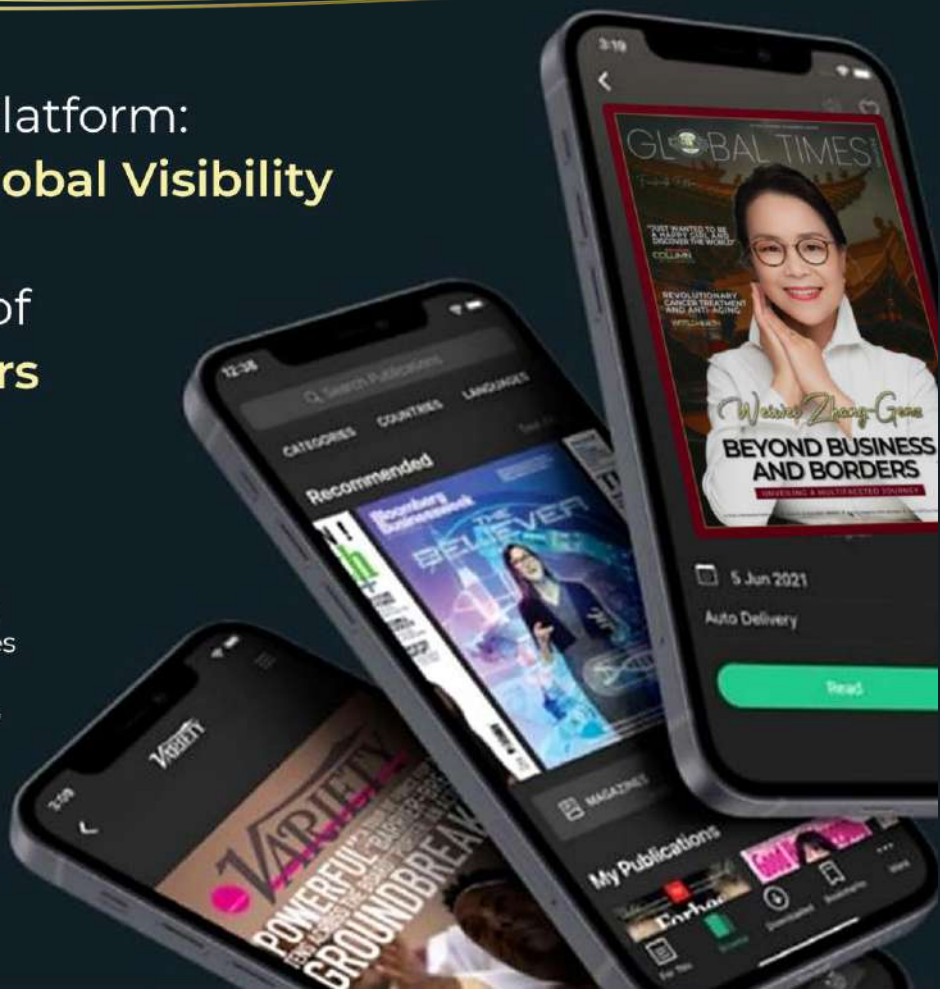


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